

SONY®

DIGITAL VIDEOCASSETTE RECORDER

DVW-A500

DVW-500

DVW-A500/1

DVW-500/1

ANALOG COMPOSITE DECODER
BOARD
BKDW-505

AUDIO PROGRAM PLAY BOARD
BKDW-507

PARALLEL (50P) INTERFACE KIT
BKDW-509

CONTROL PANEL EXTENSION KIT
BKDW-510

CONTROL PANEL CASE
BKDW-511

CONTROL PANEL
BKDW-514

CONTROL PANEL
BKDW-515

Digital **BETACAM**™

MAINTENANCE MANUAL Part 2

Volume 4 1st Edition (Revised 6)

警告

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

WARNING

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

AVERTISSEMENT

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

DVW-A500 (J)	Serial No. 10001 and Higher
DVW-A500 (UC)	Serial No. 10001 and Higher
DVW-500 (J)	Serial No. 10001 and Higher
DVW-500 (UC)	Serial No. 10001 and Higher
DVW-A500/1 (J)	Serial No. 50001 and Higher
DVW-A500/1 (UC)	Serial No. 50001 and Higher
DVW-500/1 (J)	Serial No. 50001 and Higher
DVW-500/1 (UC)	Serial No. 50001 and Higher
BKDW-505	Serial No. 10001 and Higher
BKDW-507	Serial No. 10001 and Higher
BKDW-509	Serial No. 10001 and Higher
BKDW-510	
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BKDW-514	Serial No. 10001 and Higher
BKDW-515	Serial No. 10001 and Higher

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このマニュアルについて

本書の目的

本書は下記対象機種のマニュアルです。

対象機種

VTR : DVW-A500, DVW-500, DVW-A500/1, DVW-500/1, DVW-A510,
DVW-510, DVW-CA510

オプション : BKDW-505, BKDW-507, BKDW-509, BKDW-510, BKDW-511,
BKDW-514, BKDW-515

本書は部品レベルでのサービスを前提とした情報（調整要項, マウント図, 回路図, 詳細パーツリスト等）を記載しています。

構成

本書の構成を理解いただくために、全章の概略を以下に説明します。

メンテナンスマニュアル
パート2 Volume 4

Section 1 Schematic Diagrams for Recorder

レコーダ本体の回路図を掲載しています。

Section 2 Schematic Diagram for Optional Boards

レコーダ用オプションボードの回路図を掲載しています。

(BKDW-505/507/509/514/515)

(続く)

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	第 2 章	機構部品交換要項
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	第 4 章	電気調整のための一般情報
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	第 2 章	フォーマット概説
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	第 9 章	スペアパーツ

*1: メンテナンスマニュアル パート 1 には、レコーダ用 (DVW-A500/500) とプレーヤ用 (DVW-A510/510/CA510) があります。

Manual Structure

Purpose of this manual

This manual is maintenance manual of the following products.

Product

VTR: DVW-A500, DVW-500, DVW-A500/1, DVW-500/1, DVW-A510, DVW-510, DVW-CA510

Optional equipments: BKDW-505, BKDW-507, BKDW-509, BKDW-510, BKDW-511, BKDW-514, BKDW-515

This manual describes the information items (adjustment, board layouts, schematic diagrams, detailed parts list, etc.) that premise the service based on the component parts.

Contents

The following is a summary of all the sections for understanding the contents of this manual.

Maintenance Manual Part 2, Volume 4

Section 1 Schematic Diagrams for Recorder

Describes the schematic diagrams of the recorder.

Section 2 Schematic Diagram for Optional Boards

Describes the schematic diagrams of the optional boards for recorder.
(BKDW-505/507/509/514/515)

(continue)

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	Section 2	Replacement of Mechanical Parts
	Section 3	Tape Path Alignment
	Section 4	Electrical Alignment Overview
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Maintenance Manual Part 2, Volume 2	Section 1	Parts Information
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Maintenance Manual Part 2, Volume 5	Section 1	Schematic Diagrams for Player
	Section 2	Schematic Diagram for Optional Boards
Maintenance Manual Part 1^{*1}	Section 1	Service Overview
	Section 2	Recording Format, Head Configuration, and Signal Processing
	Section 3	Block Diagrams and Circuit Descriptions
	Section 4	Error Messages and Troubleshooting
	Section 5	Maintenance Mode
	Section 6	Replacement of Power Block and Circuit Boards
	Section 7	Periodic Maintenance and Inspection
	Section 8	Replacement of Periodic Maintenance Parts
	Section 9	Spare Parts

^{*1}: There are two types manual for Maintenance Manual Part 1: Recorder (DVW-A500/500) and player (DVW-A510/510/CA510).

Section 1

Schematic Diagrams for Recorder

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-DUS-XXX BOARD-

The DUS-XXX board is added to supplement the function of main board.

DUS-194	(CUE-1; 1-648-537-31)
	(CUE-1A; 1-648-537-21)
DUS-679	(TBC-23; 1-648-543-11, 12)
DUS-680	(EQ-45A; 1-648-536-11)
DUS-682	(EQ-45A; 1-648-536-11)
DUS-687	(SS-52; 1-648-535-21)
	(SS-52A; 1-648-535-11)
DUS-690	(VPR-1; 1-648-532-11)
DUS-691	(VPR-1; 1-648-532-11)
DUS-694	(SS-52; 1-648-535-21)
	(SS-52A; 1-648-535-11)
DUS-706	(DPR-36; 1-648-533-11)
DUS-708	(DPR-36; 1-648-533-11)
DUS-709	(EQ-45; 1-648-536-22)
	(EQ-45A; 1-648-536-11, 12)
DUS-710	(DM-89; 1-648-541-11, 12)
	(VPR-1; 1-648-532-13)
DUS-711	(EQ-45; 1-648-536-22)
	(EQ-45A; 1-648-536-11, 12)
DUS-712	(DPR-36; 1-648-533-11)
DUS-723	(CUE-1A; 1-648-537-21)
DUS-727	(DM-89; 1-648-541-12)
DUS-728	(FP-58; 1-648-551-11)
DUS-741	(DR-200; 1-648-559-12)
DUS-769	(VPR-1; 1-648-532-12)
DUS-840	(VPR-1; 1-648-532-14)

Note

The △-marked components are critical to safety.
Replace only with same components as specified.

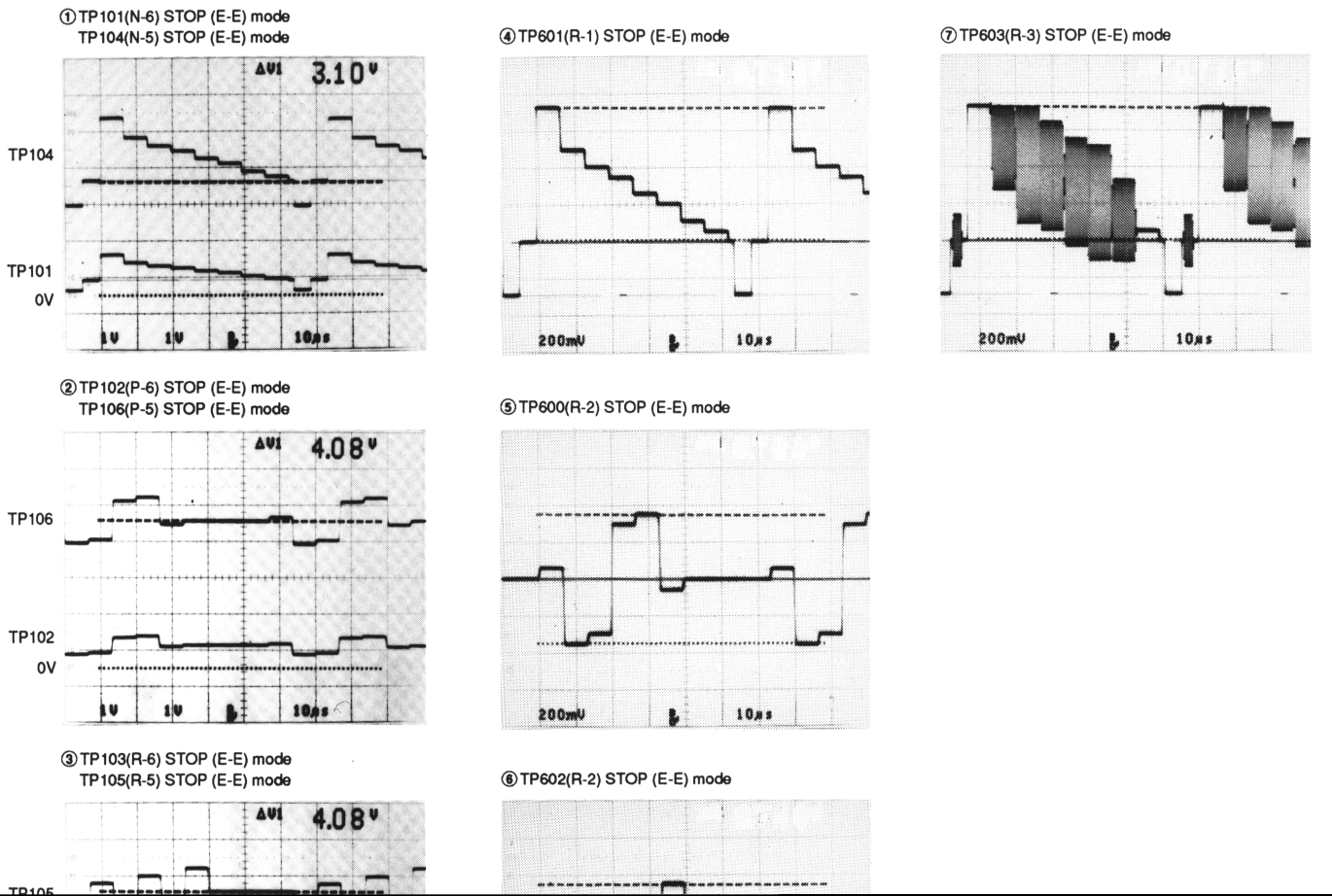
注意

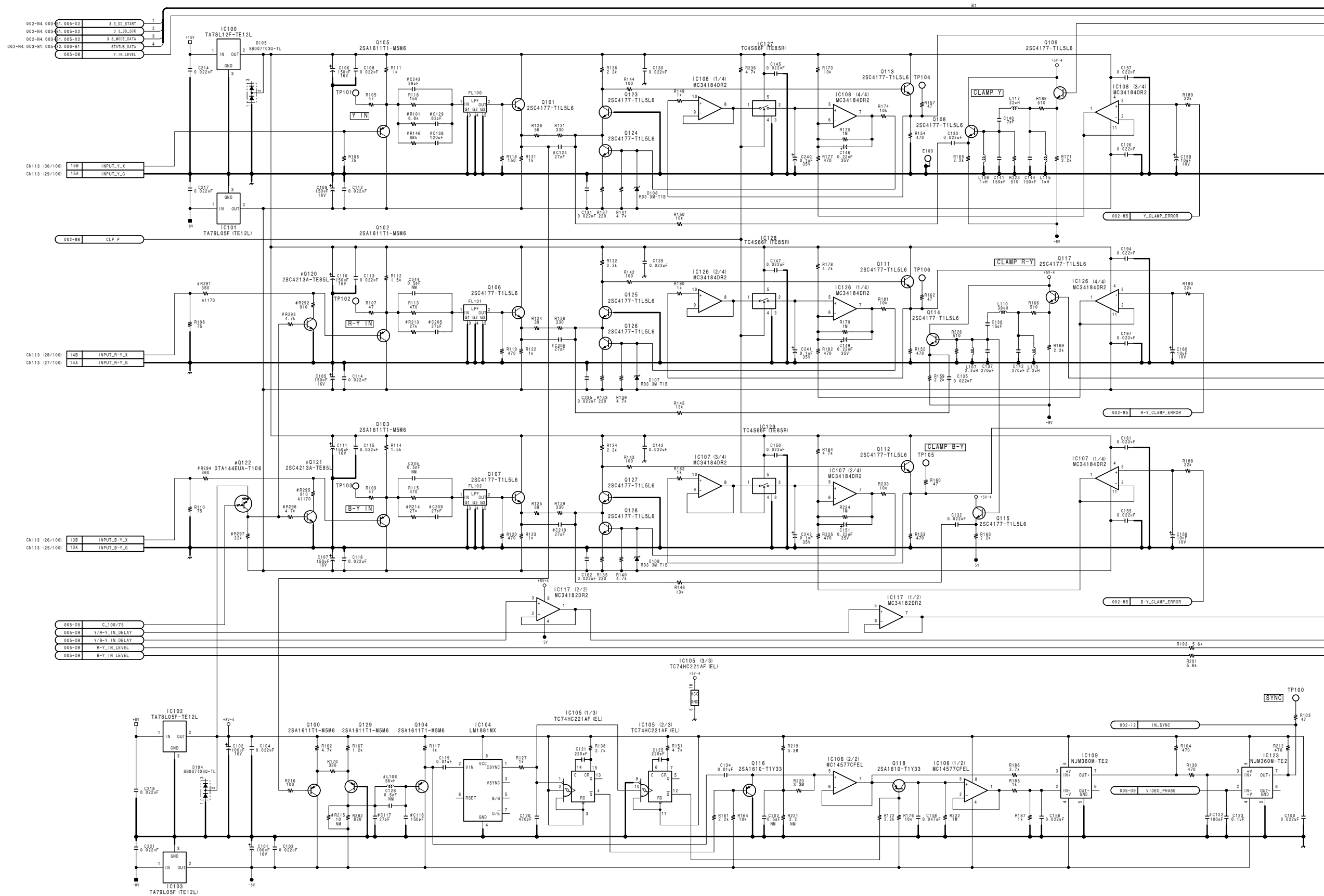
△印の部品は安全性を維持するために重要な部品です。
従って交換するときは必ず指定の部品を使ってください。

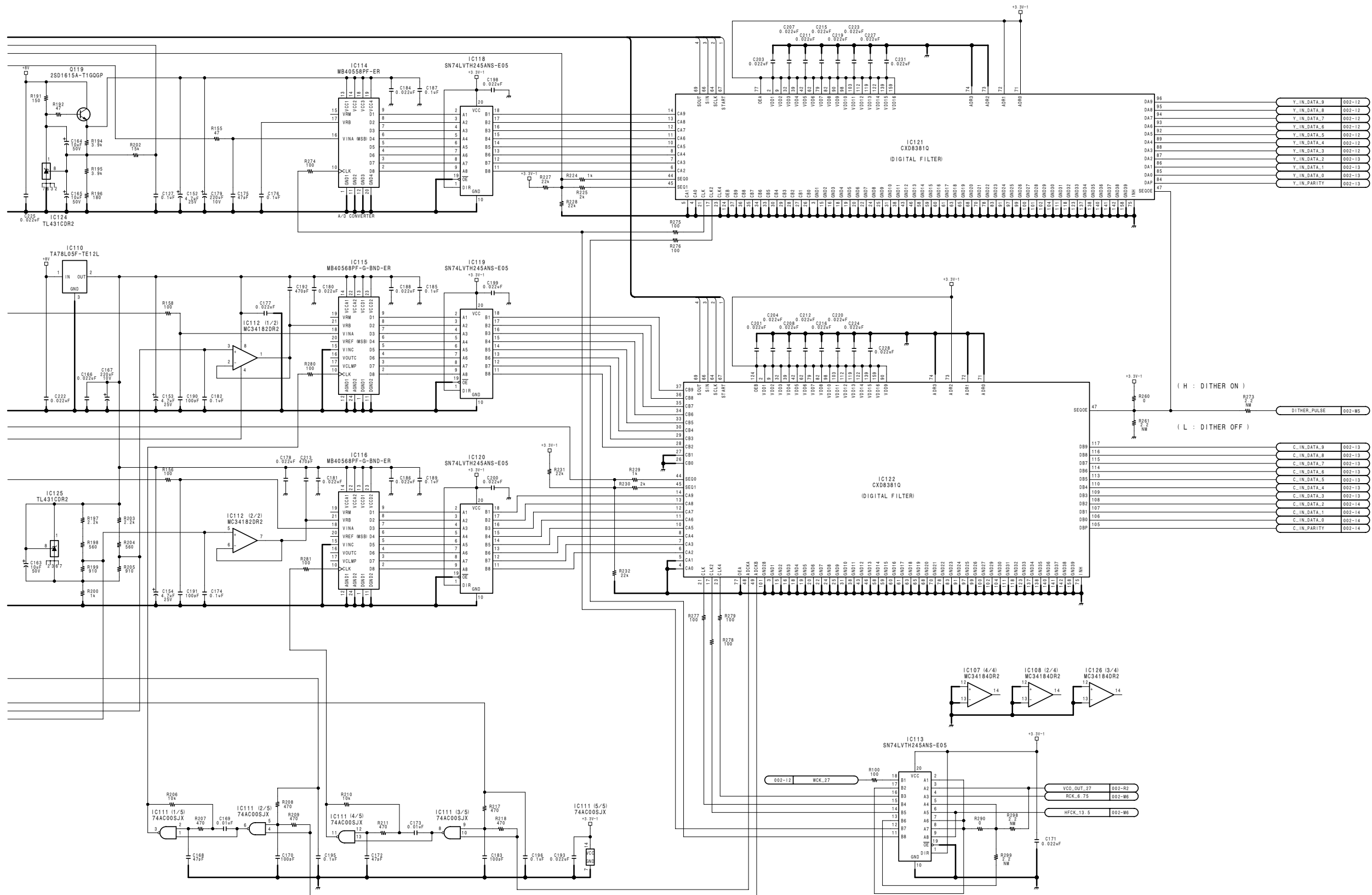
Circuit Function of Printed Circuit Board

System configuration	Board name	Circuit Function
Digital process	VPR-1	Video signal processor, A/D, D/A, Reference clock generator, Composite encoder
	APR-1	Audio signal processor, A/D, D/A, AES/EBU interface
	DIF-16 (inc. VI-2)	4:2:2 component serial digital I/O interface with Embedded audio
	DPR-36	Digital data processor (Encode/Decode, Error correction)
RF, Analog process	EQ-45A (DVW-A500)	RF equalizer (REC current control, PB EQ), Betacam PB buffer
	EQ-45 (DVW-500)	RF equalizer (REC current control, PB EQ)
	CUE-1A (DVW-A500)	CUE REC/PB, LTC REC/PB, and LAU PB circuits, CUE/LTC/FULL erase OSC
	CUE-1 (DVW-500)	CUE REC/PB and LTC REC/PB circuits, CUE/LTC/FULL erase OSC
Betacam playback (DVW-A500)	DM-89	RF demodulator
	TBC-24	TBC (A/D conversion & Write clock generate blocks)
	TBC-23	TBC (Sequence & Reference blocks)
	AP-28	AFM demodulator & LAU noise reduction
System/servo control	SS-52A (DVW-A500)	System, Servo, Analog/Digital DT control
	SS-52 (DVW-500)	System, Servo, Digital DT control
	DT-34	DT driver
	DR-307/200	Motors driver (Drum, Capstan, T/S reels, Threading, Reel shift, Cassette up/down), Solenoids driver (Pinch, T/S brake, Cleaning), Degaussing head driver
Mech.deck driver/sensor	CCM-15	Threading motor/Reel shift motor
	PD-35	Pinch solenoid connection
	PTC-54	Threading FG
	PTC-59	Cassette's tabs sensor
	PTC-71	Reel position sensor
	RM-82	T/S reel motor
	RM-141	T reel motor
	SE-228	T/S reel FG
	TR-78	S tension sensor
	TR-79	T tension sensor, Thread/unthread end sensor
Cassette compartment driver/sensor	CL-29	Cassette up/down motor, Cassette down sensor
	LP-81	Lamp of cassette compartment
	PC-70	Cassette-in sensor, Cassette size sensor

System configuration	Board name	Circuit Function	
Front panel function	FP-58	Sub control panel and Upper panel function (SWs, LEDs) control, CAV control level conversion	
	VR-152	Audio REC and Phone level RVs, Phone connector	
	VR-153	Audio PB level RVs	
	SWC-17	Upper panel function (SWs, LEDs)	
	SWC-18	Sub control panel function	
	SWC-19	System set-up panel function control	
	KY-231	Lower panel function control	
	DP-176	Time counter display	
	PTC-69	Search dial sensor, Dial solenoid connection	
Rear panel function	CP-218	Rear connector board (Analog video) with input/output driver	
	CP-220	Rear connector board (Analog/Digital audio, TC)	
	MB-441	Remote control connectors (CONTROL PANEL, REMOTE 1 IN/OUT, RS232C, VIDEO CONTROL)	
Power	AC-155	AC connector board with breaker	
	SOPS-1042 or SOPS-1042 (A)	SOPS-1019C	Switching regulator
		SOPS-1042A	Switching regulator (inc. SOPS-1019C/1042S boards)
		SOPS-1042B or SOPS-1042D	Switching regulator (AC-DC)
		SOPS-1042S	Switching regulator
Other	MB-441	Mother board	
	HN-181	Connection board with REC inhibit sensor (Drum/Capstan/Reel-shift motors, CTL head, DT-34/HN-184/HN-185/PTC-59/PTC-71 boards)	
	HN-184	Connection board (Threading motor, Tape end sensor, PD-35/PTC-54/TR-78 boards)	
	HN-185	Connection board with dew sensor (Tape top sensor, Cassette compartment, TR-79 board, Slip ring)	





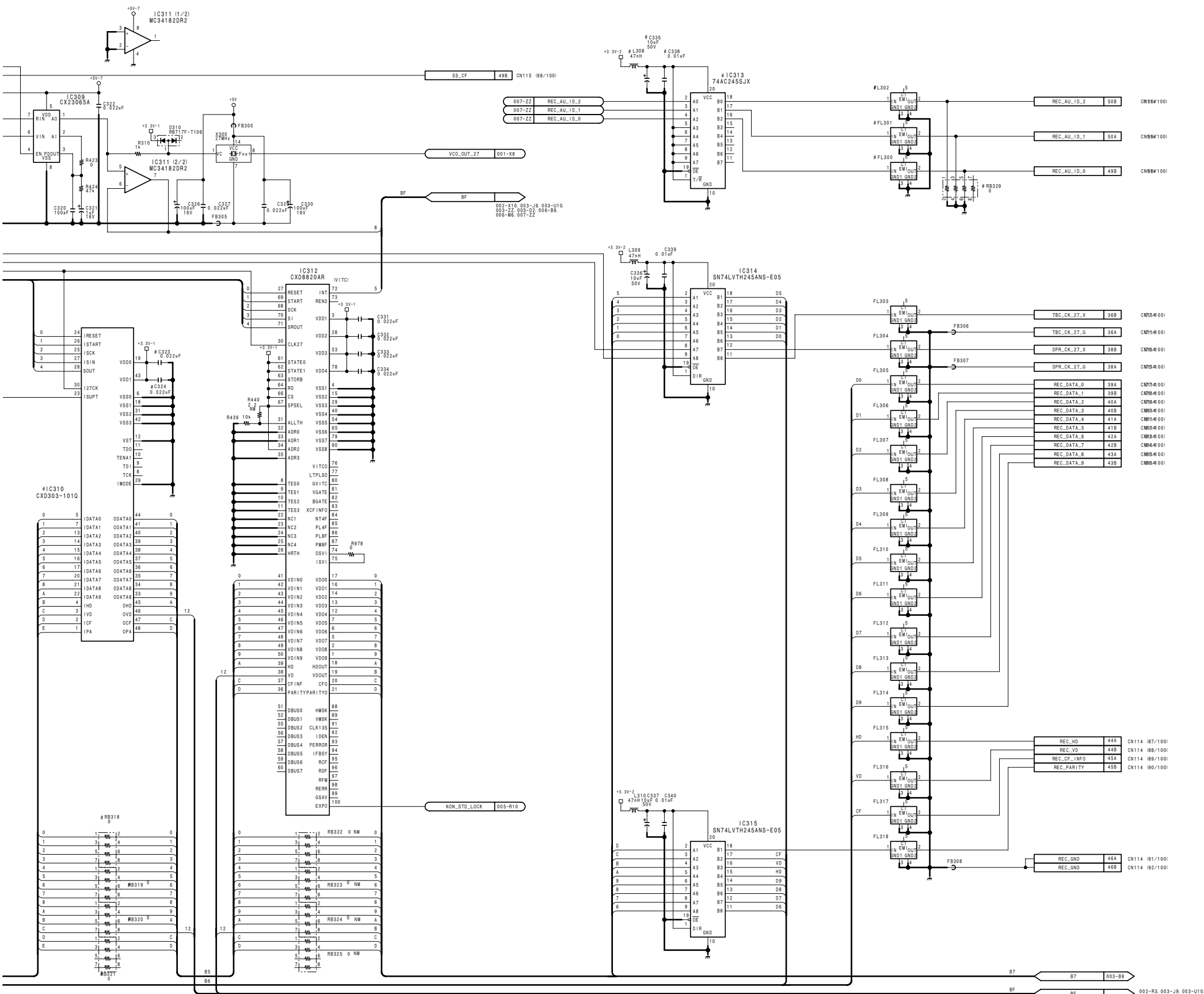


#	NTSC	PAL
C117	27pF 50V CH	47pF 50V CH
C118	150pF 50V CH	220pF 50V CH
C122	100pF 50V CH	150pF 50V CH
C124	27pF 50V CH	33pF 50V CH
C129	82pF 50V CH	47pF 50V CH
C138	120pF 50V CH	100pF 50V CH
C205	27pF 50V CH	22pF 50V CH
C206	27pF 50V CH	33pF 50V CH
C209	27pF 50V CH	22pF 50V CH
C210	27pF 50V CH	33pF 50V CH
C243	NM	39pF 50V CH
L106	56uH 10%	82uH 10%
Q120	2SC4213A-T	NM
Q121	2SC4213A-T	
Q122	DTA144EUT1	NM
R101	6.8k 1/10W 0.5%	10k 1/10W 0.5%
R146	68k 1/10W 0.5%	33k 1/10W 0.5%
R213	27k 1/10W 0.5%	56k 1/10W 0.5%
R214	27k 1/10W 0.5%	56k 1/10W 0.5%
R215	NM	15k 1/10W 0.5%
R291	360 1/10W 0.5%	0 —
R292	910 1/10W 0.5%	NM
R293	4.7k 1/10W 5%	NM
R294	360 1/10W 0.5%	0 —
R295	910 1/10W 0.5%	NM
R296	4.7k 1/10W 5%	NM
R297	22k 1/10W 5%	NM

Component Video A/D Converter & SYNC Separator
VPR-1 BOARD (1/7)

BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J, UC) : VPR-1A MCB
DVW-500 (J, UC) : VPR-1 MCB
DVW-A500_VPR-1_002_1





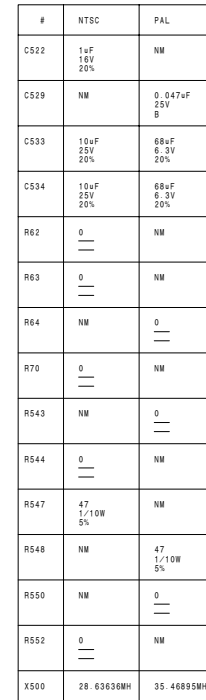
#	NTSC	PAL
C323	0.022uF 50V B	NM
C324	0.022uF 50V B	NM
C335	10uF 50V	NM
C338	0.01uF 50V B	NM
FL300	123989822	NM
FL301	123989822	NM
FL302	123989822	NM
IC310	CXD303-101	NM
IC313	74AC245SJX	NM
L308	47nH 5%	NM
RB318	NM	0
RB319	NM	0
RB320	NM	0
RB321	NM	0
RB329	NM	0

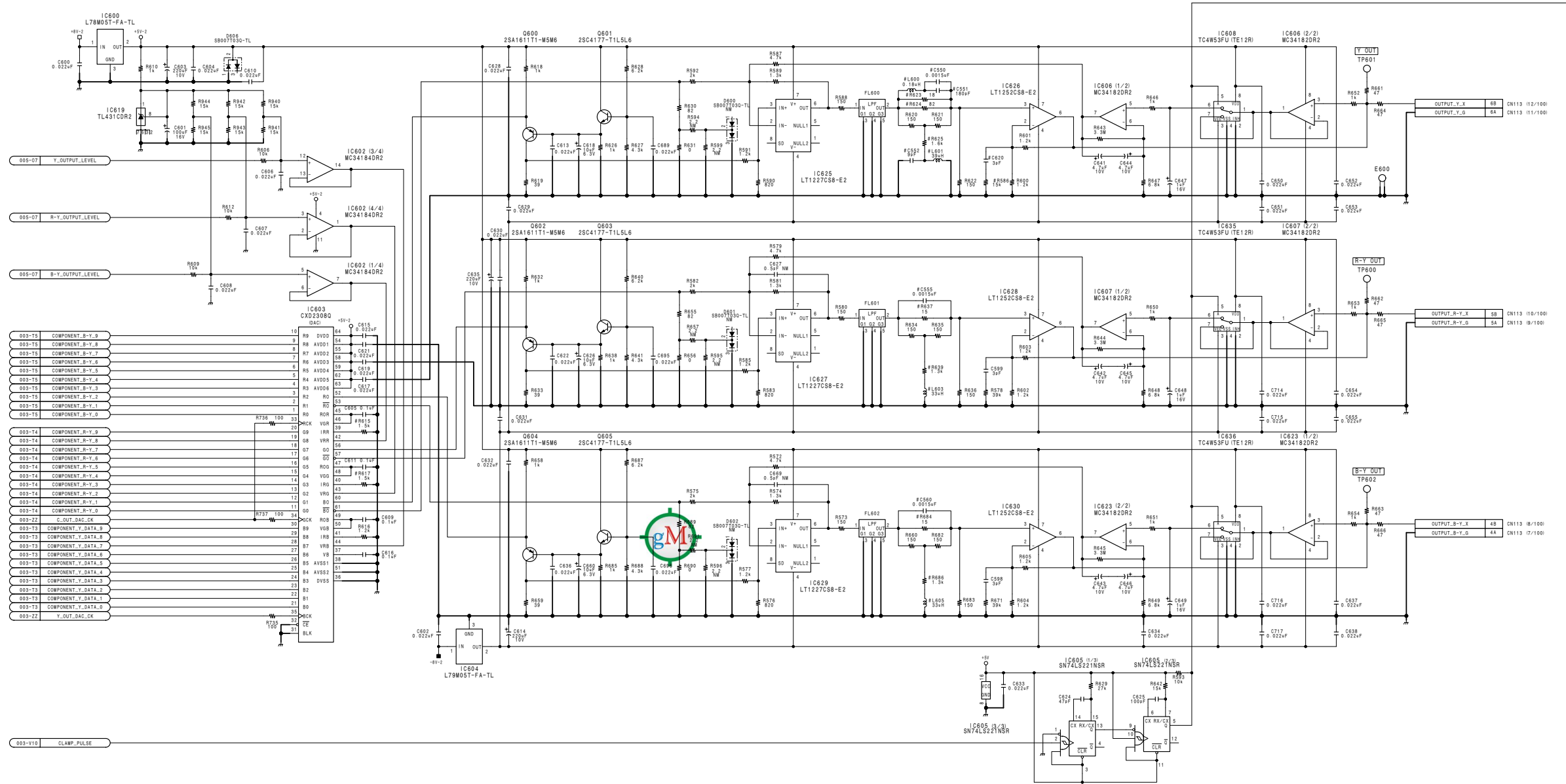
Input Digital Video Data Processor
VPR-1 BOARD (2/7)

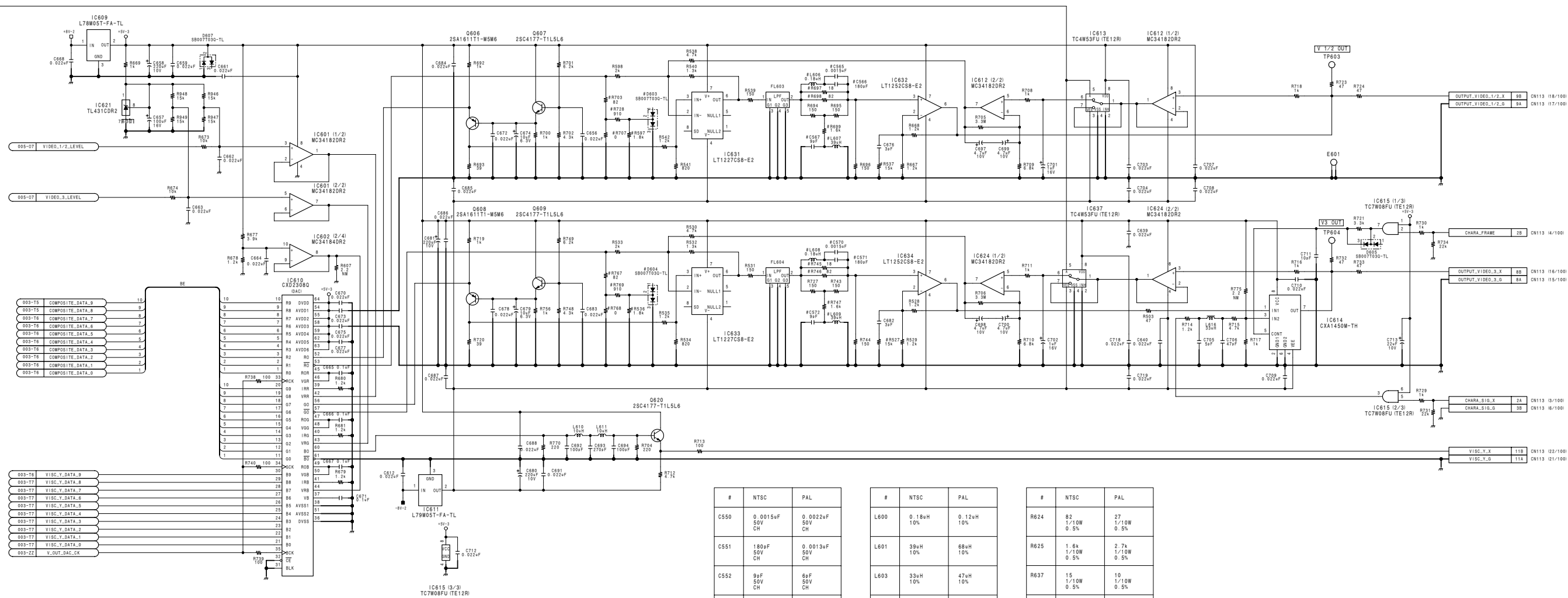
BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J. UC) : VPR-1A MCB
DVW-500 (J. UC) : VPR-1 MCB
DVW-A500_VPR-1_002_2

5









#	NTSC	PAL
C550	0.0015uF 50V CH	0.0022uF 50V CH
C551	180uF 50V CH	0.0013uF 50V CH
C552	9pF 50V CH	6pF 50V CH
C555	0.0015uF 50V CH	0.0022uF 50V CH
C560	0.0015uF 50V CH	0.0022uF 50V CH
C565	0.0015uF 50V CH	0.0022uF 50V CH
C566	180uF 50V CH	0.0013uF 50V CH
C567	9pF 50V CH	6pF 50V CH
C570	0.0015uF 50V CH	0.0022uF 50V CH
C571	180uF 50V CH	0.0013uF 50V CH
C572	9pF 50V CH	6pF 50V CH
C620	3pF 50V CJ	4pF 50V CH
D603	NM	SB007T03Q
D604	NM	SB007T03Q

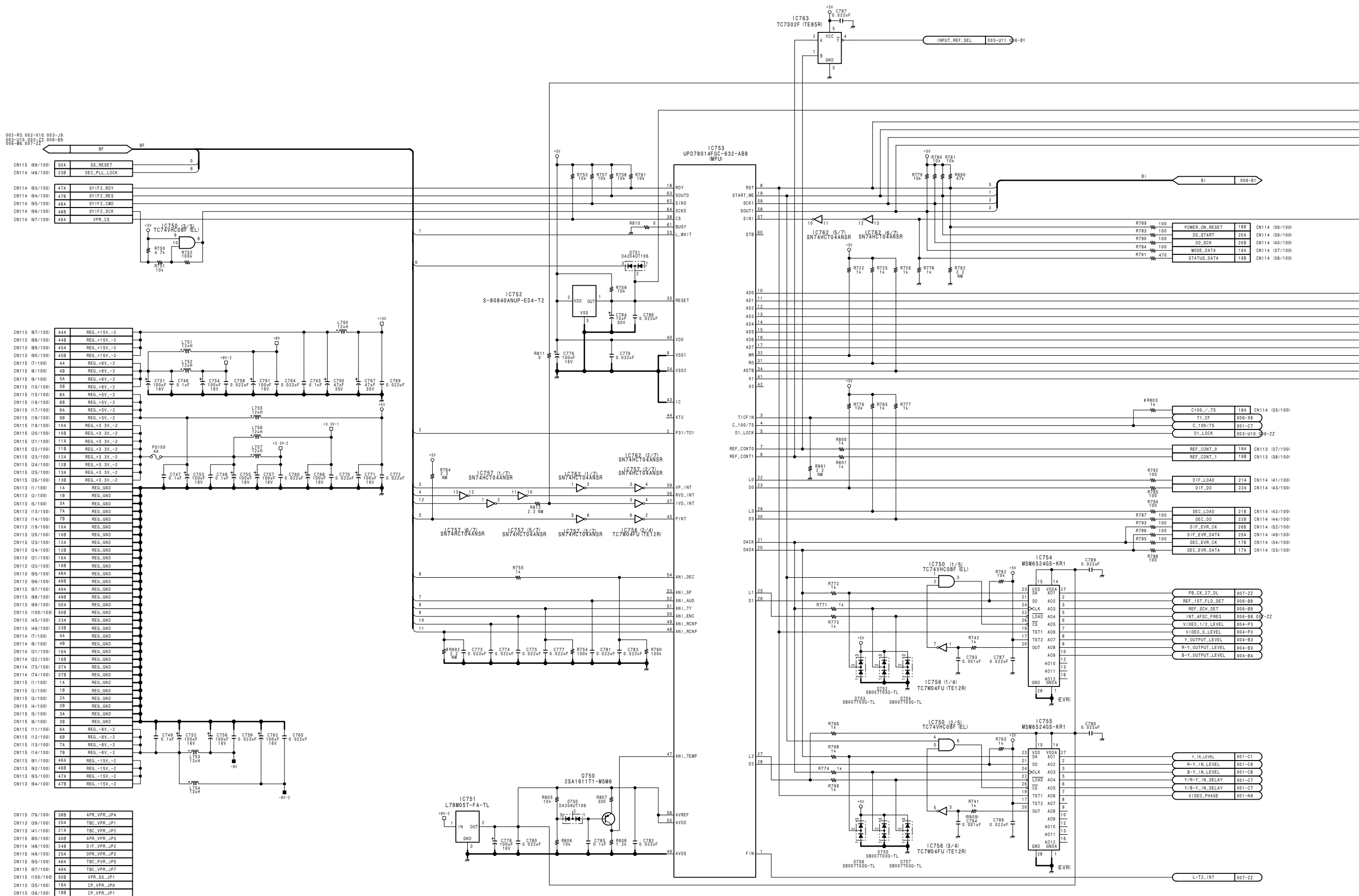
#	NTSC	PAL
L600	0.18uH 10%	0.12uH 10%
L601	39uH 10%	68uH 10%
L603	33uH 10%	47uH 10%
L605	33uH 10%	47uH 10%
L606	0.18uH 10%	0.12uH 10%
L607	39uH 10%	68uH 10%
L608	0.18uH 10%	0.12uH 10%
L609	39uH 10%	68uH 10%
R527	15k 1/10W 0.5%	39k 1/10W 0.5%
R536	NM	1.8k 1/10W 0.5%
R537	15k 1/10W 0.5%	39k 1/10W 0.5%
R586	15k 1/10W 0.5%	30k 1/10W 0.5%
R597	NM	1.8k 1/10W 0.5%
R615	1.5k 1/10W 0.5%	1.8k 1/10W 0.5%
R617	1.5k 1/10W 0.5%	1.8k 1/10W 0.5%
R623	18 1/10W 0.5%	10 1/10W 0.5%

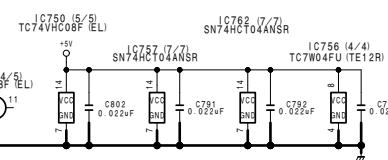
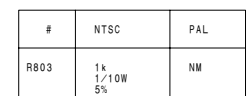
#	NTSC	PAL
R624	82 1/10W 0.5%	27 1/10W 0.5%
R625	1.6k 1/10W 0.5%	2.7k 1/10W 0.5%
R637	15 1/10W 0.5%	10 1/10W 0.5%
R639	1.3k 1/10W 0.5%	2k 1/10W 0.5%
R684	15 1/10W 0.5%	10 1/10W 0.5%
R686	1.3k 1/10W 0.5%	2k 1/10W 0.5%
R697	18 1/10W 0.5%	10 1/10W 0.5%
R698	82 1/10W 0.5%	27 1/10W 0.5%
R699	1.6k 1/10W 0.5%	2.7k 1/10W 0.5%
R703	82 1/10W 0.5%	47 1/10W 0.5%
R707	0 —	36 1/10W 0.5%
R728	NM	910 1/10W 0.5%
R745	18 1/10W 0.5%	10 1/10W 0.5%
R746	82 1/10W 0.5%	27 1/10W 0.5%
R747	1.6k 1/10W 0.5%	2.7k 1/10W 0.5%
R767	82 1/10W 0.5%	47 1/10W 0.5%
R768	0 —	36 1/10W 0.5%
R769	NM	910 1/10W 0.5%

Output Video Signal D/A Converter
VPR-1 BOARD (4/7)

BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J, UC) : VPR-1A MCB
DVW-500 (J, UC) : VPR-1 MCB
DVW-A500 VPR-1.002.4

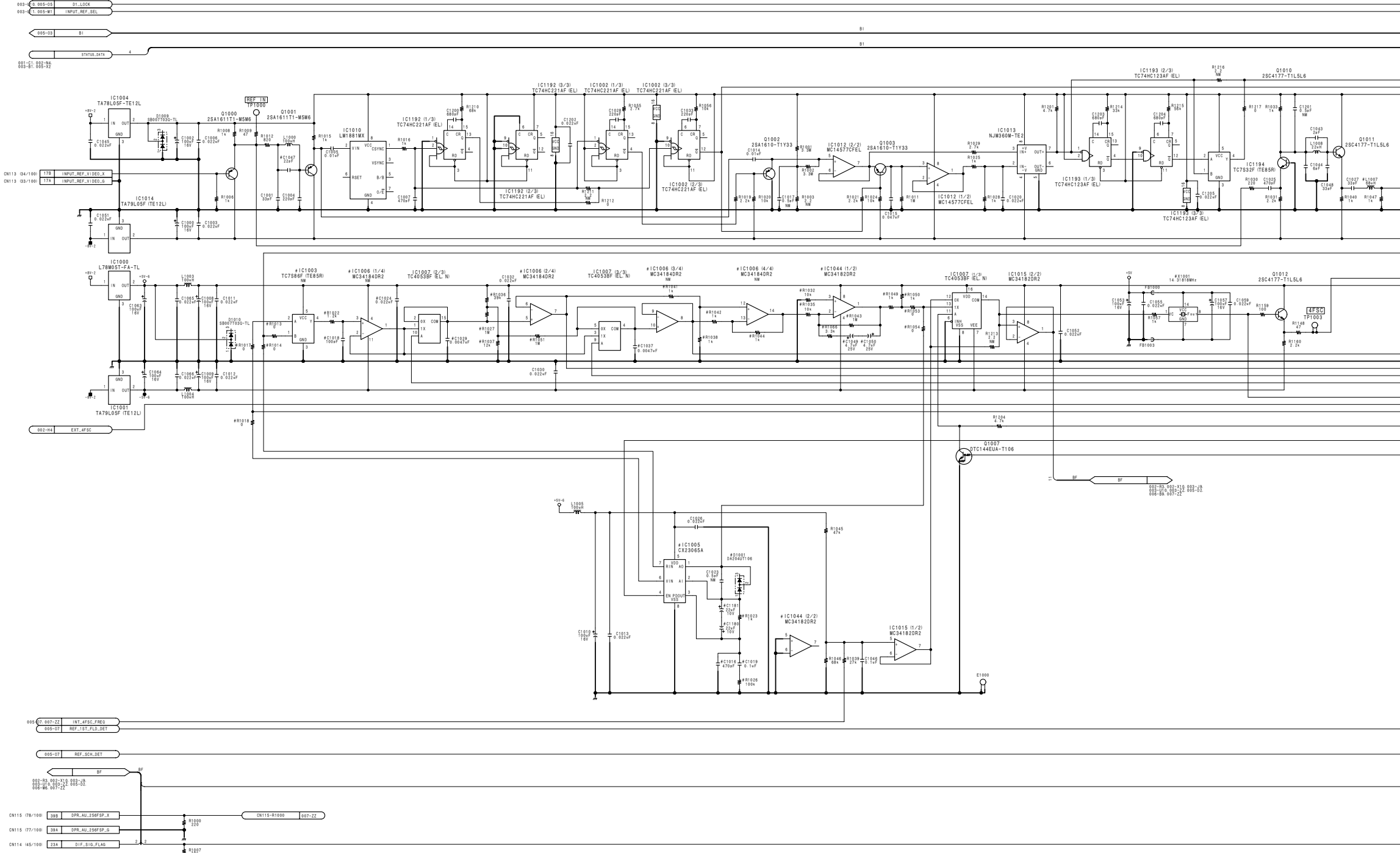
1-14 (f)

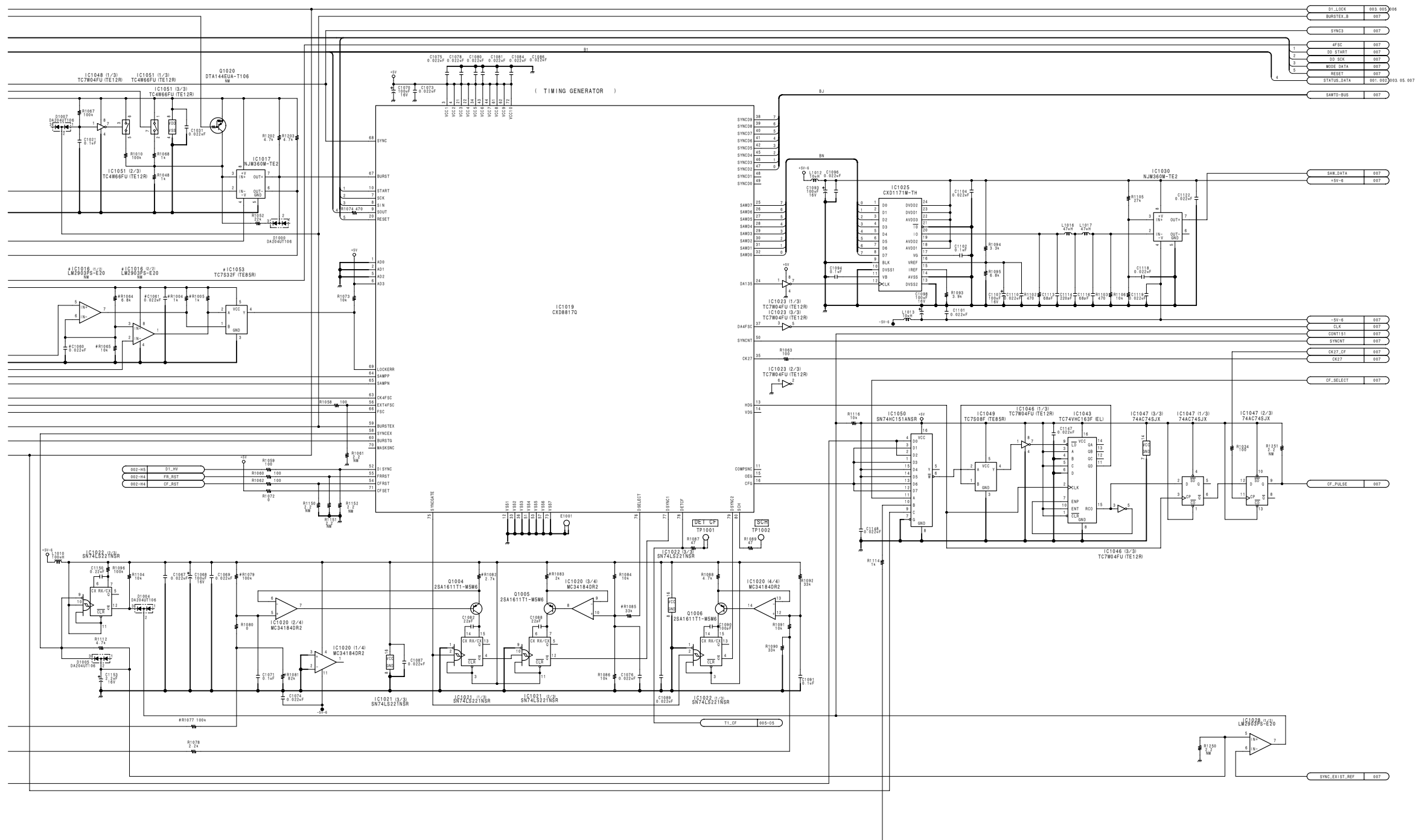




Video Process Control
VPR-1 BOARD (5/7)

BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J, UC) : VPR-1A MCB
DVW-500 (J, UC) : VPR-1 MCB
DVW-A500_VPR-1_002_5





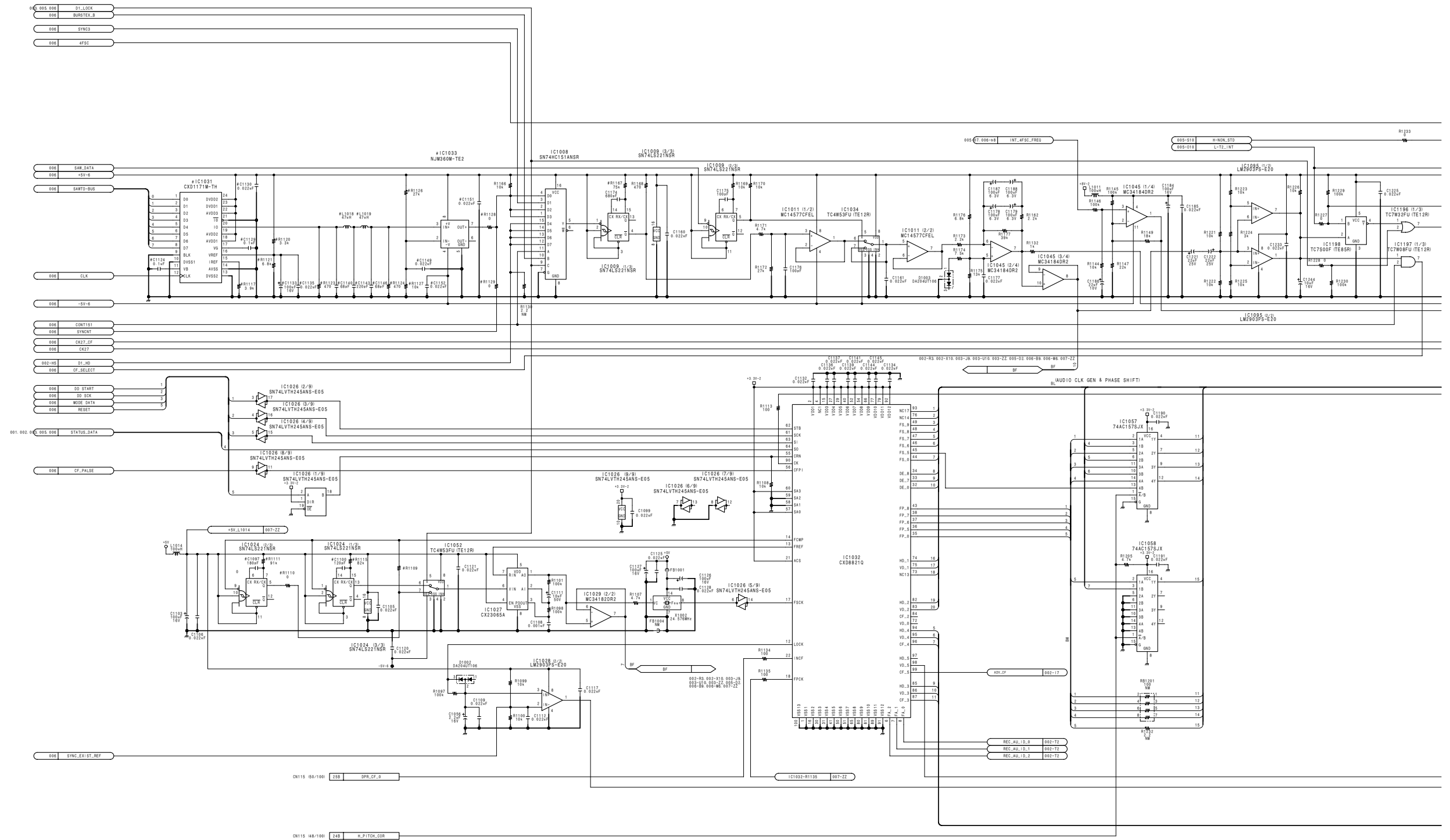
#	NTSC	PAL
C1016	470pF 50V CH	NW
C1018	NW	100pF CH
C1019	0.1uF 25V F	NW
C1024	NW	0.022uF 50V B
C1029	NW	0.0047uF 16V
C1037	NW	0.0047uF 16V
C1047	22pF 50V CH	NW
C1049	NW	4.7uF 20V
C1050	NW	4.7uF 20V
C1060	NW	0.022uF 50V B
C1061	NW	0.022uF 50V B
C1180	22pF 15V	NW
C1181	22pF 15V	NW
D1001	DA204UT106	NW
IC1003	NW	TC7S86F ITE
IC1005	CX2305A	NW
IC1006	NW	MC34184DR2
IC1016	NW	LM2903PS-E
IC1044	NW	MC34184DR2
IC1053	NW	TC7S32F ITE
L1007	68uH 10%	39uH 10%
R1004	NW	1k 1/10W 5%
R1005	NW	1k 1/10W 5%
R1013	NW	0
R1014	0	NW
R1017	NW	0
R1018	0	NW
R1022	NW	1.2k 1/10W 5%
R1023	1k 1/10W 5%	NW
R1026	100k 1/10W 5%	NW
R1027	NW	1M 1/10W 5%
R1032	NW	10k 1/10W 0.5%
R1035	NW	10k 1/10W 0.5%
R1036	NW	39k 1/10W 0.5%
R1037	NW	12k 1/10W 0.5%
R1038	NW	1k 1/10W 0.5%

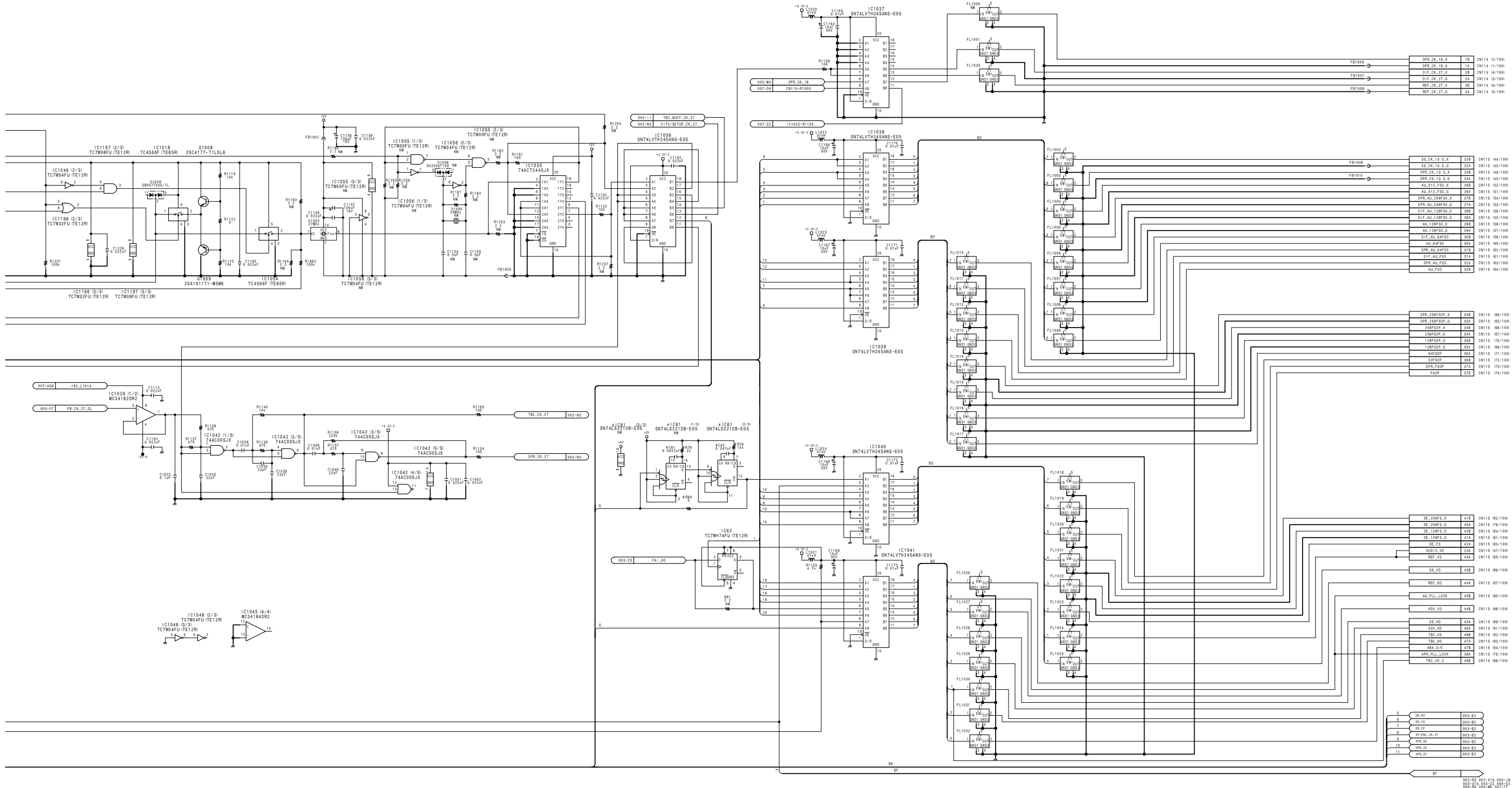
#	NTSC	PAL
R1041	NW	1k 1/10W 0.5%
R1042	NW	1k 1/10W 0.5%
R1043	NW	1M 1/10W 5%
R1044	NW	1k 1/10W 0.5%
R1049	NW	1k 1/10W 0.5%
R1050	NW	1k 1/10W 0.5%
R1051	NW	1M 1/10W 5%
R1053	NW	0
R1054	0	NW
R1064	NW	6.8k 1/10W 5%
R1065	NW	10k 1/10W 5%
R1066	NW	3.3k 1/10W 0.5%
R1077	100k 1/10W 5%	20k 1/10W 0.5%
R1079	100k 1/10W 5%	20k 1/10W 0.5%
R1081	NW	82k 1/10W 0.5%
R1082	2.7k 1/10W 0.5%	4.7k 1/10W 0.5%
R1083	2k 1/10W 0.5%	1k 1/10W 0.5%
R1085	33k 1/10W 5%	22k 1/10W 5%
X1001	14.31818MH	17.734475M

Time Ref Signal (1) VPR-1 BOARD (6/7)

BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J. UC) : VPR-1A MCB
DVW-500 (J. UC) : VPR-1 MCB
DVW-A500_VPR-1_002_6

VPR-1 (7/7) VPR-1 (7/7)





#	NTSC	PAL
C61	NW	0.0022uF 50V B
C62	NW	0.047uF 50V F
C1097	180uF 50V CH	NW
C1100	120uF 50V CH	150uF 50V CH
C1124	NW	0.1uF 25V F
C1129	NW	0.1uF 25V F
C1130	NW	0.022uF 50V B

#	NTSC	PAL
C1133	NW	100uF 16V
C1135	NW	0.022uF B
C1140	NW	68uF 50V CH
C1143	NW	220uF 50V CH
C1146	NW	68uF 50V CH
C1149	NW	0.022uF B
C1151	NW	0.022uF 50V B

#	NTSC	PAL
C1152	NW	0.022uF 50V B
IC61	NW	SN74LS221D
IC1031	NW	CD01171M-T
IC1033	NW	NJM360M-TE
L1018	NW	47uH 10%
L1019	NW	47uH 10%
R78	NW	2k 1/10W 0.5%
R79	NW	15k 1/10W 0.5%

#	NTSC	PAL
R80	0	NW
R1109	NW	0
R1110	0	NW
R1111	91k 1/10W 0.5%	NW
R1115	82k 1/10W 0.5%	39k 1/10W 0.5%
R1117	NW	3.9k 1/10W 0.5%
R1120	NW	3.3k 1/10W 0.5%

#	NTSC	PAL
R1121	NW	6.8k 1/10W 0.5%
R1123	NW	470 1/10W 0.5%
R1124	NW	470 1/10W 0.5%
R1126	NW	27k 1/10W 0.5%
R1127	NW	10k 1/10W 0.5%
R1128	NW	0
R1129	0	NW

#	NTSC	PAL
R1167	75k 0.5%	82k 1/10W 0.5%

Time Ref Signal (2) & Audio Clock Generator VPR-1 BOARD (7/7)

BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J. UC) : VPR-1A MCB
DVW-500 (J. UC) : VPR-1 MCB
DVW-A500_VPR-1_002_7

PART CHANGE INFORMATION				
PART CHANGE INFORMATION		CHANGE	REPAIR PART	SIMULTANEOUSLY
REF NO.	OLD	NEW	LOT NO.	CHANGE PART
IC113	SN74LVTH245ANS-E05	SN74LVTH245ANS-E05	905	IC113, 118, 119, 120
IC118				IC314, 315, 500-503
IC119				IC508, 761, 1026
IC120				IC1036-1041

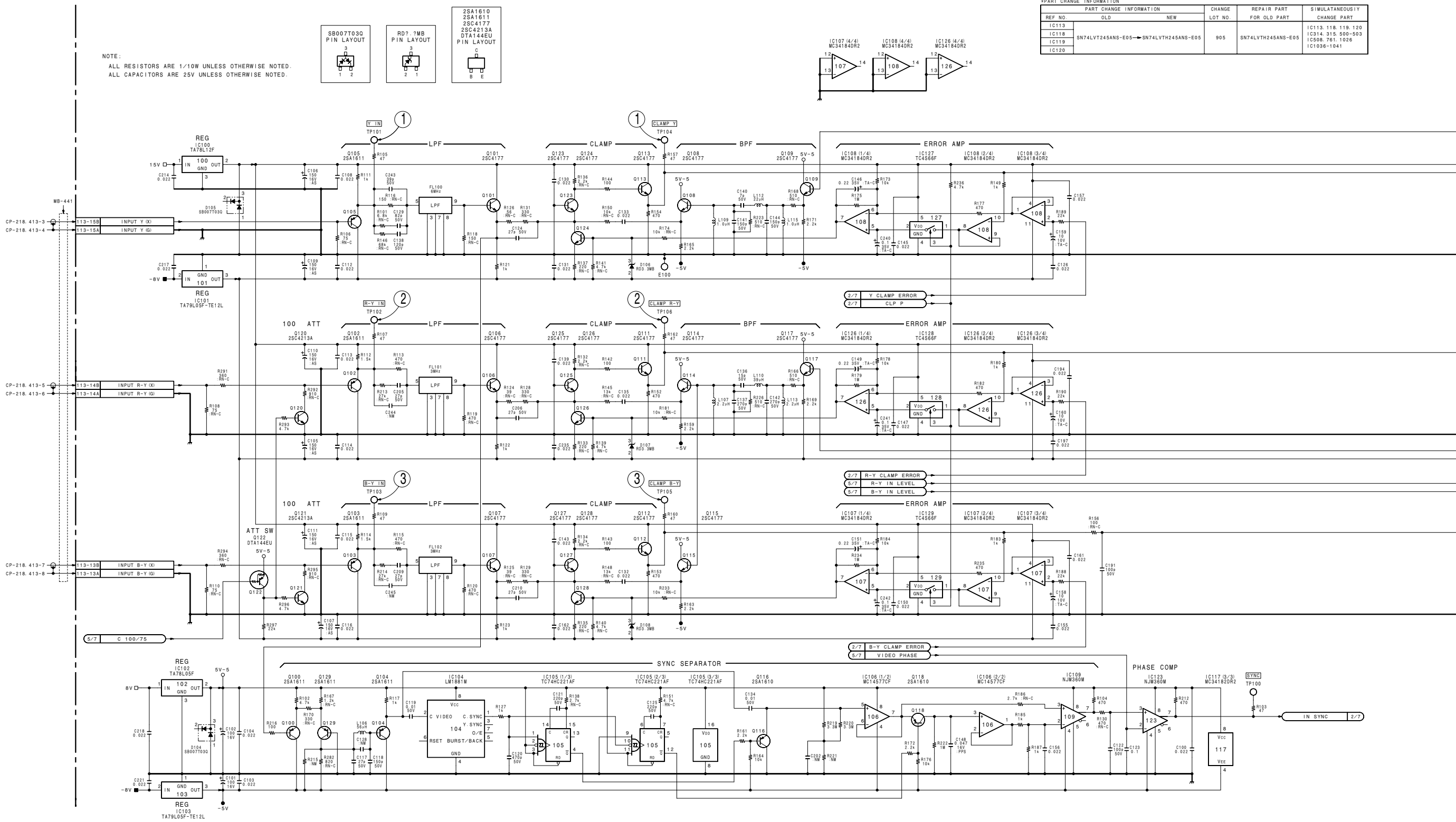
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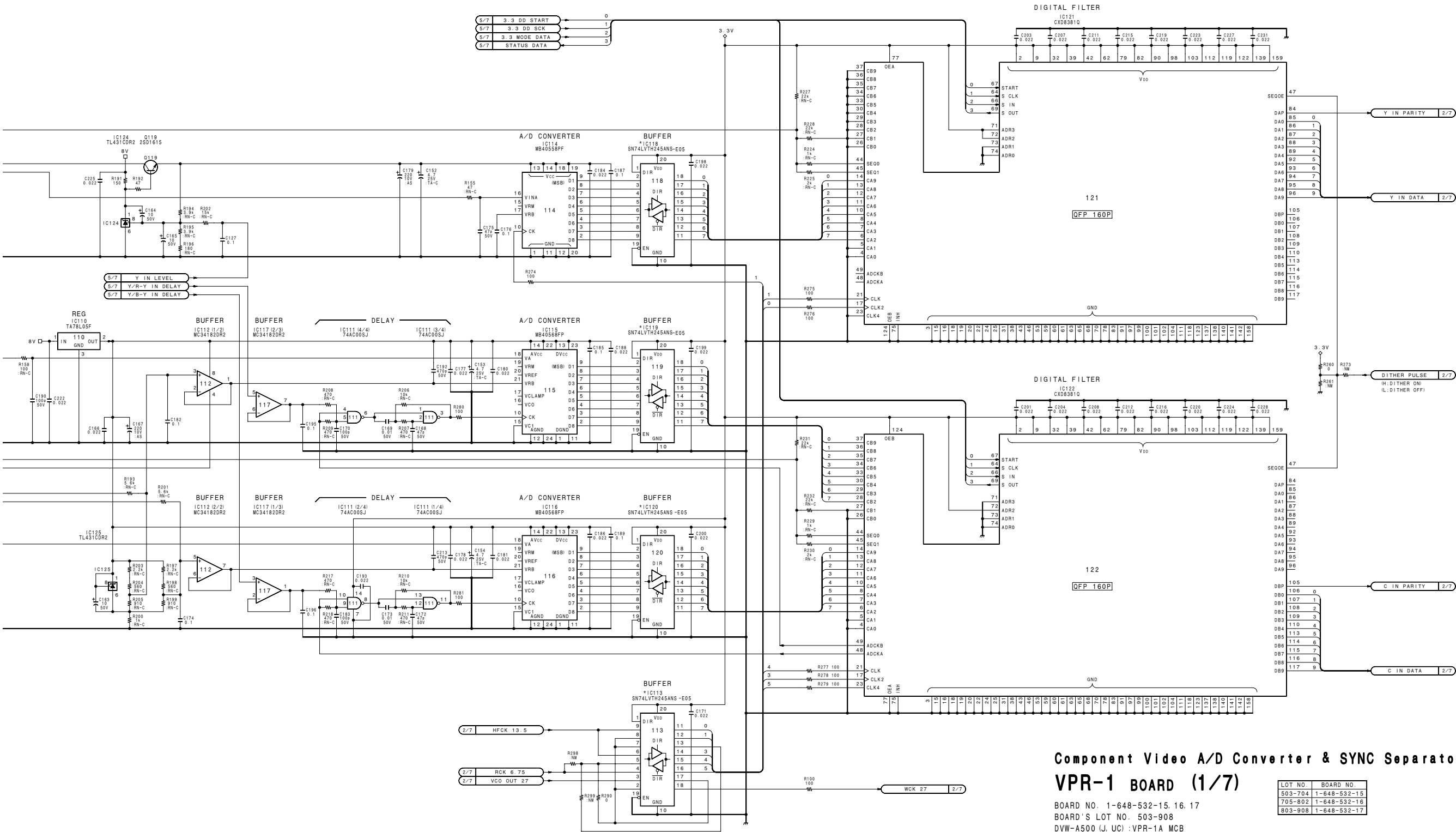
2

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5





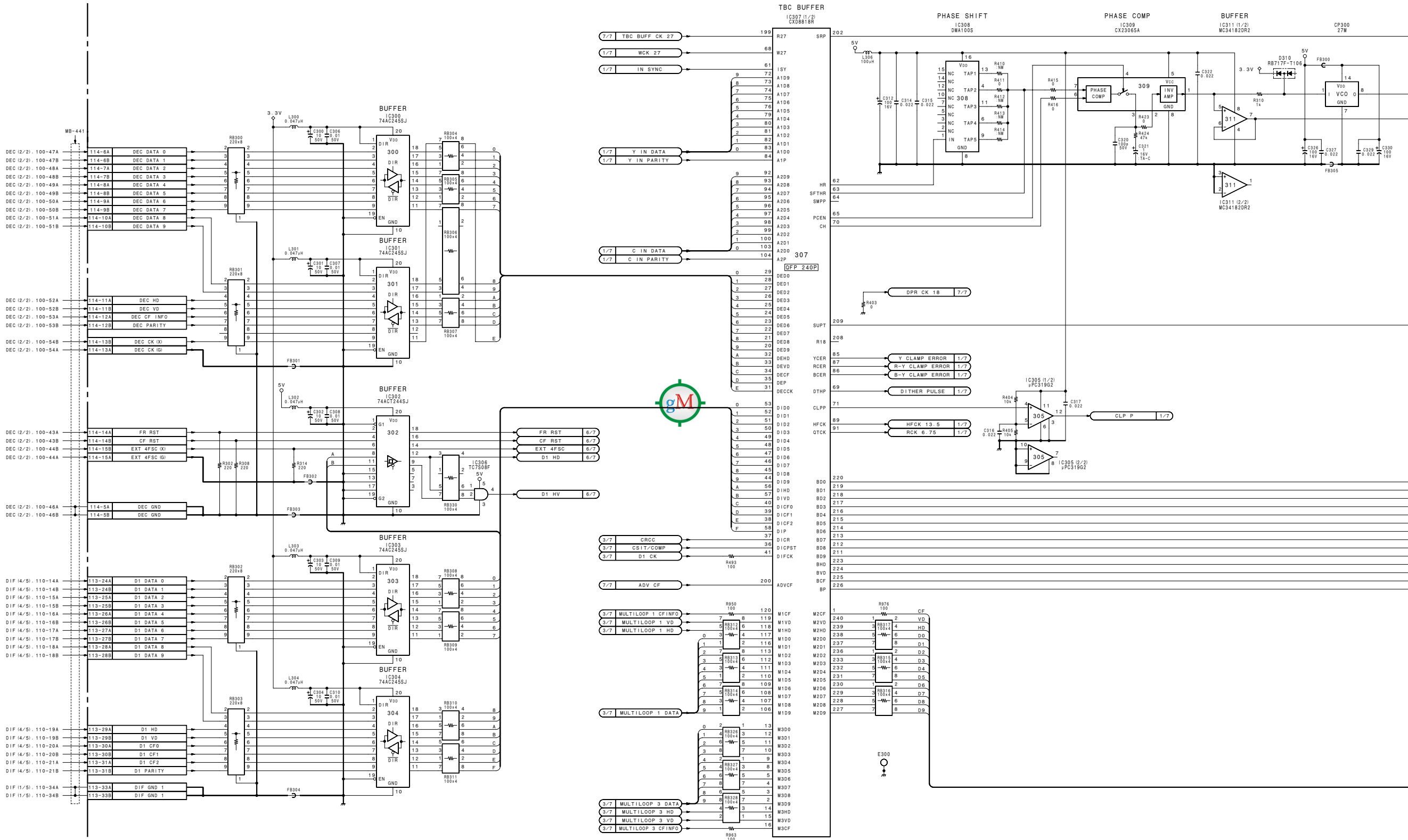
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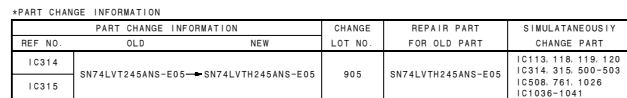
2

3

4

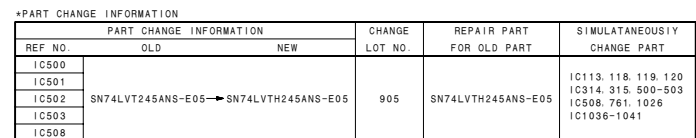
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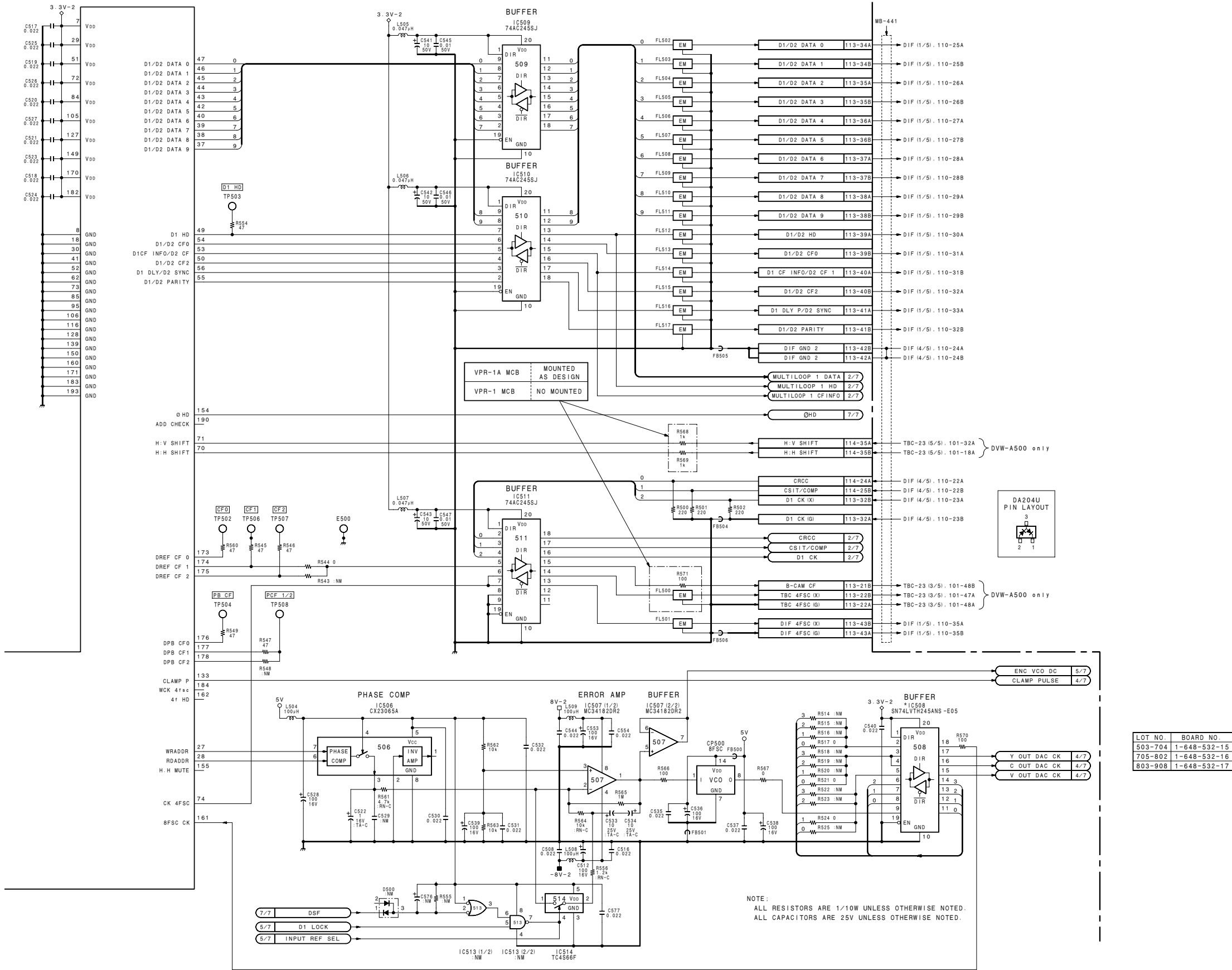




Input Digital Video Data Processor
VPR-1 BOARD (2/7)

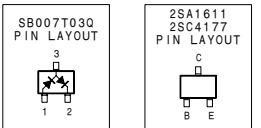
BOARD NO. 1-648-532-15, 16, 17
BOARD'S LOT NO. 503-908
DVW-A500 (J, UC) : VPR-1A MCB
DVW-500 (J, UC) : VPR-1 MCB
DVW-VPR1-NTSC-REC-S/M-04-E

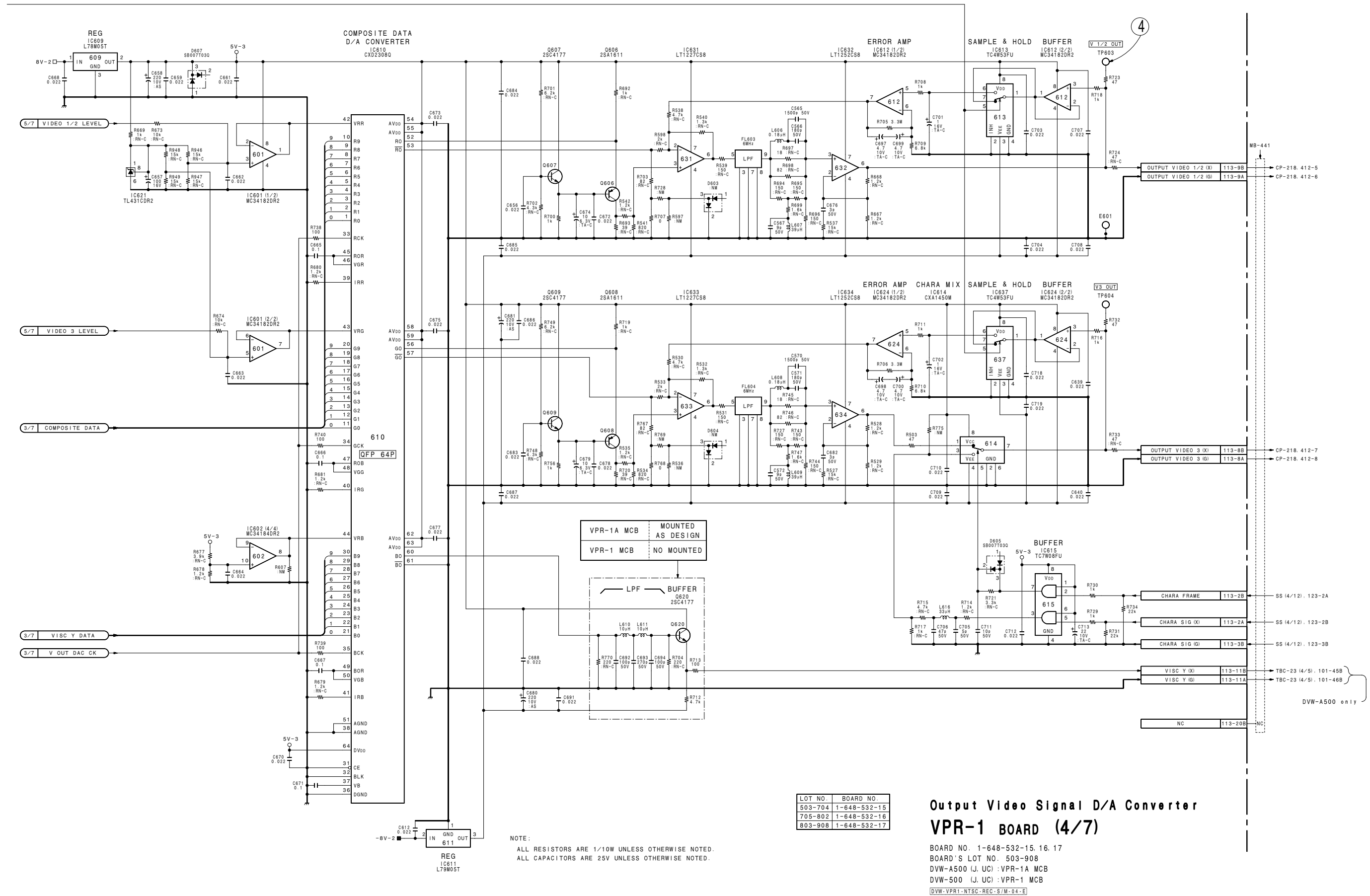


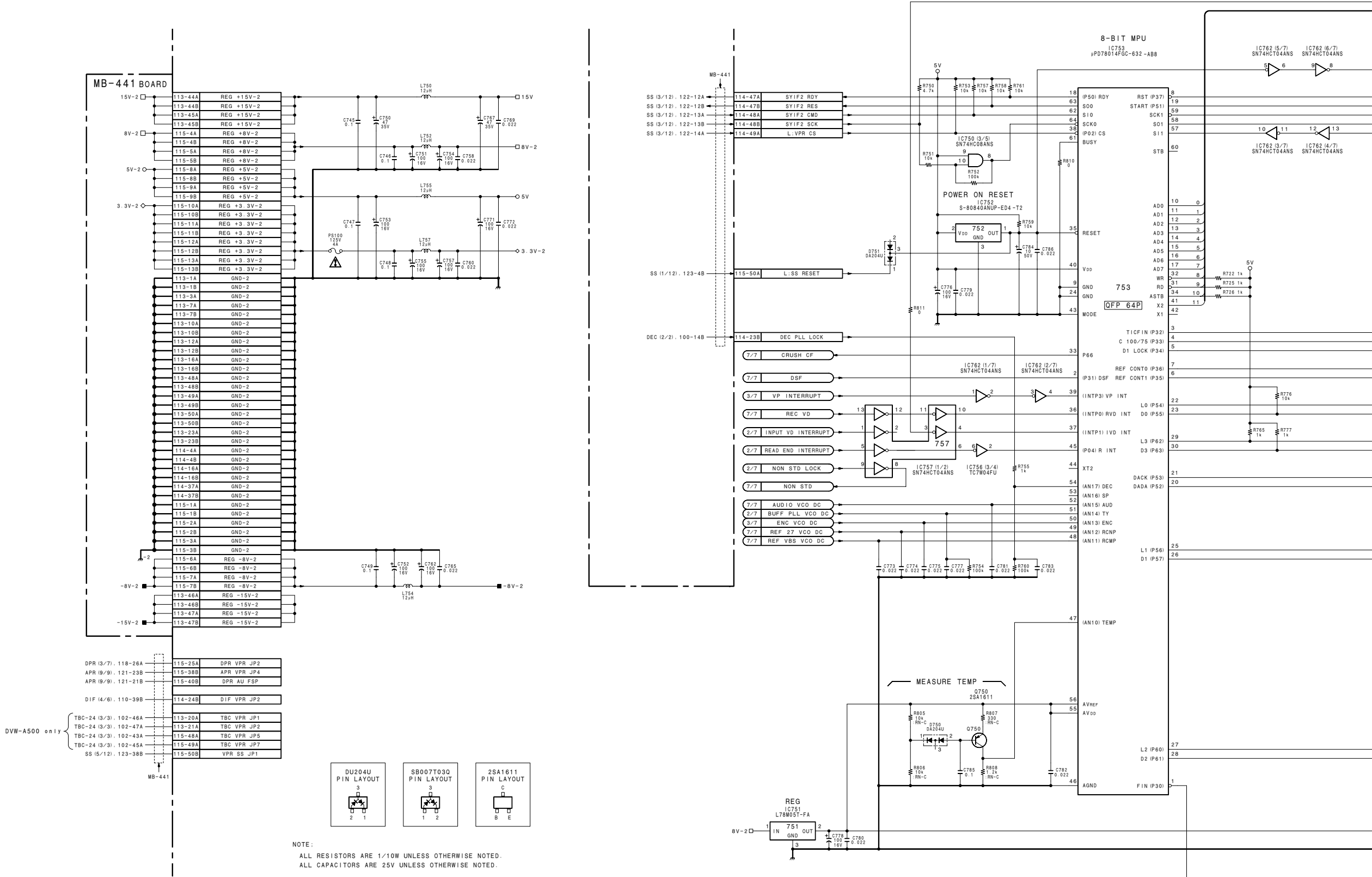


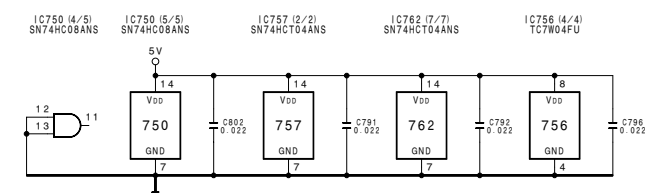
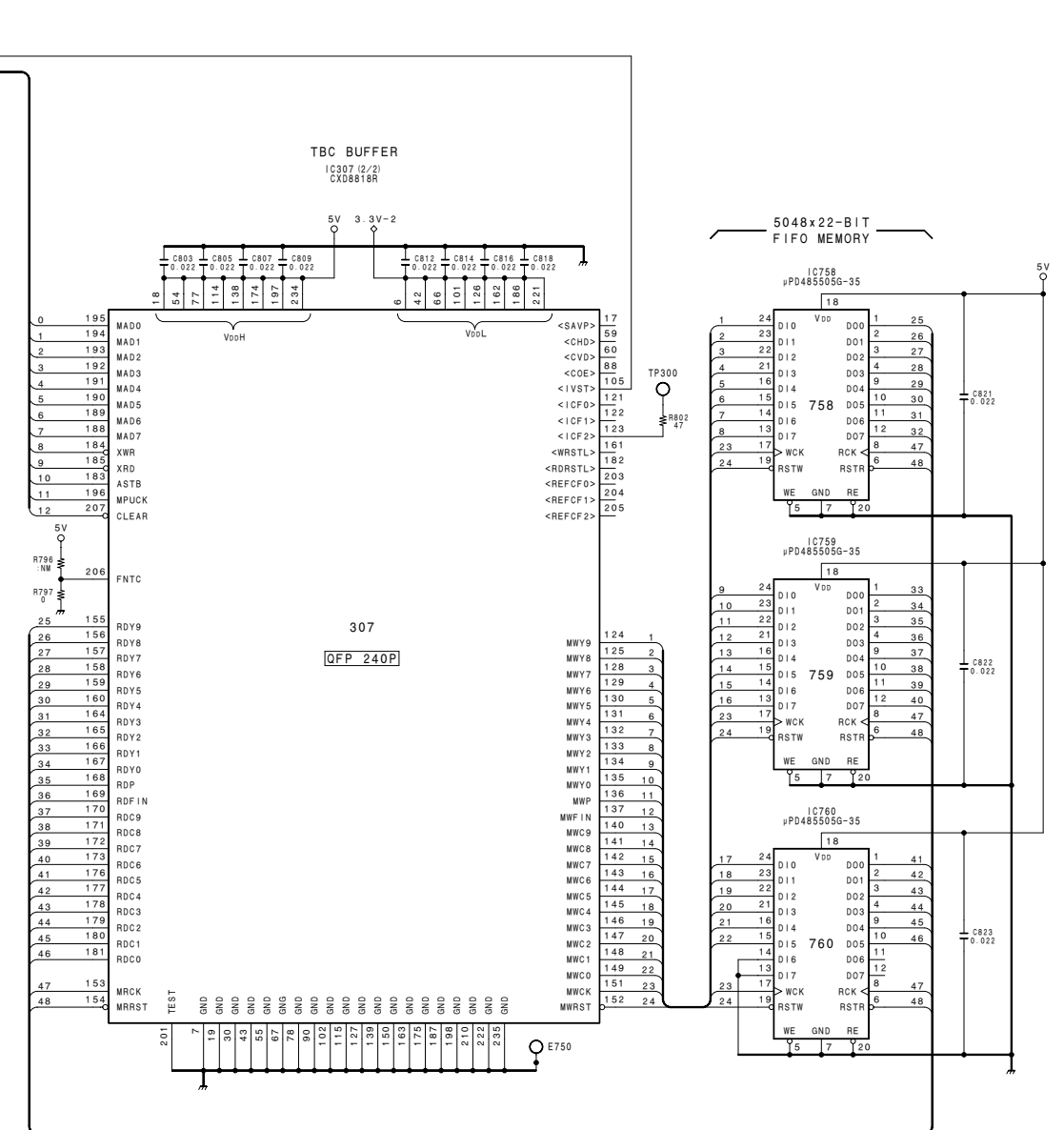
Digital Video Data Encoder VPR-1 BOARD (3/7)

BOARD NO. 1-648-532-15, 16, 17
BOARD'S LOT NO. 503-908
DVW-A500 (J, UC) : VPR-1A MCB
DVW-500 (J, UC) : VPR-1 MCB
[DVW-VPR1-NTSC-REC-S/M-04-E]





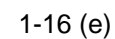


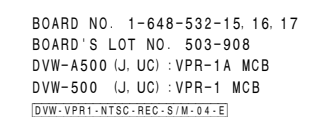


LOT NO.	BOARD NO.
503-704	1-648-532-15
705-802	1-648-532-16
803-908	1-648-532-17

PART CHANGE INFORMATION				CHANGE	REPAIR PART	SIMULATANEOUSLY
PART CHANGE INFORMATION				CHANGE	REPAIR PART	SIMULATANEOUSLY
REF NO.	OLD	NEW	LOT NO.	FOR OLD PART	CHANGE PART	
IC761	SN74LVTH24ANS-E05	→ SN74LVTH24ANS-E05	905	SN74LVTH24ANS-E05		IC113 118, 119, 121 IC134 315, 500-501 IC508, 761, 1026 IC1036-1041

DVW-VPR1-NTSC-REC-S/M-04-E





1

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A

B

C

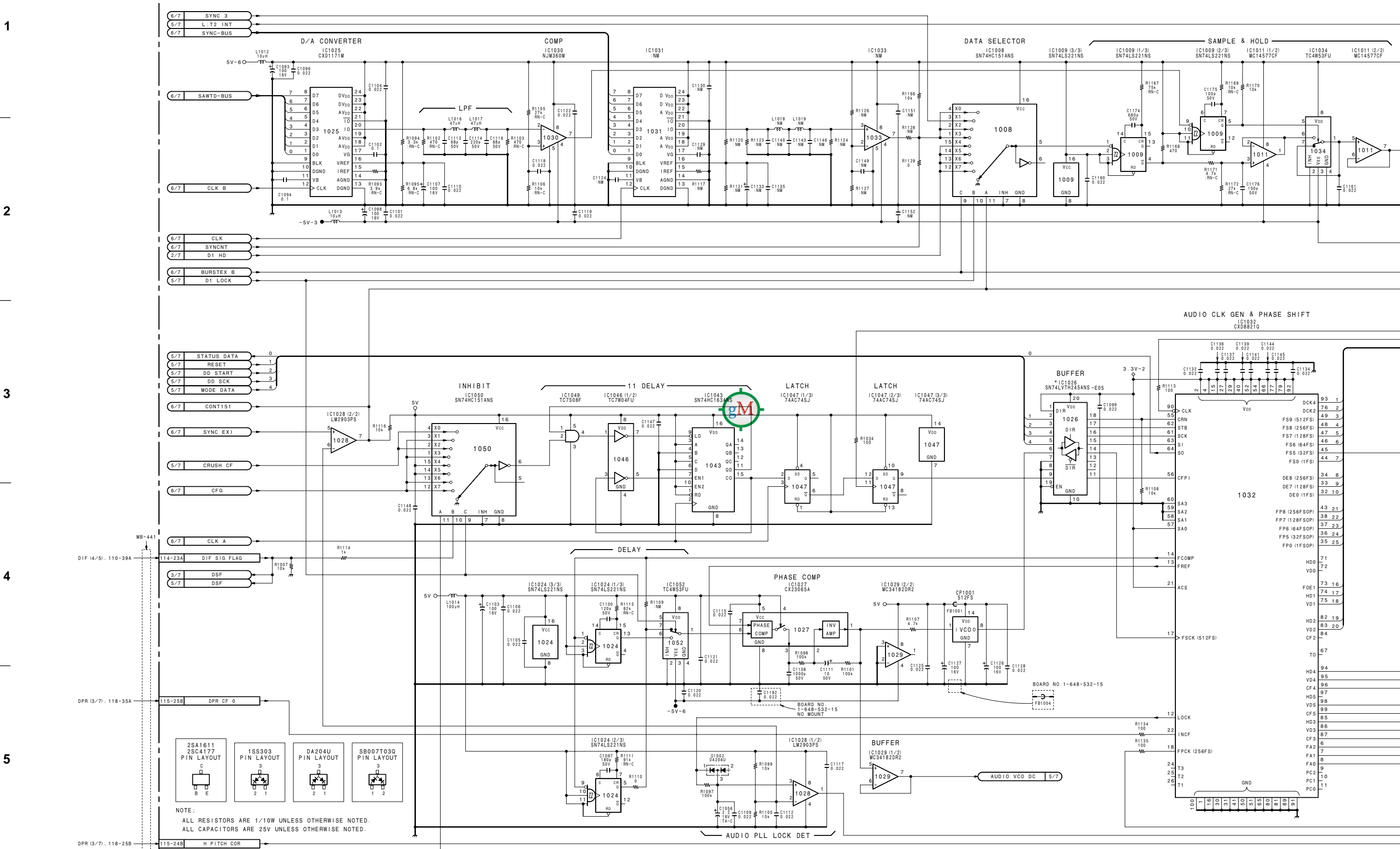
D

E

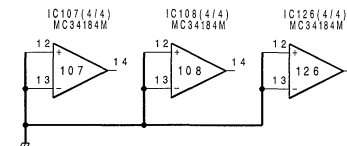
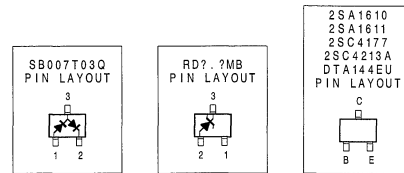
F

G

H



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



The Ref.Nos.marked with *** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

VPR-1 BOARD: 1-648-532-14

1

2

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4

5

A

B

C

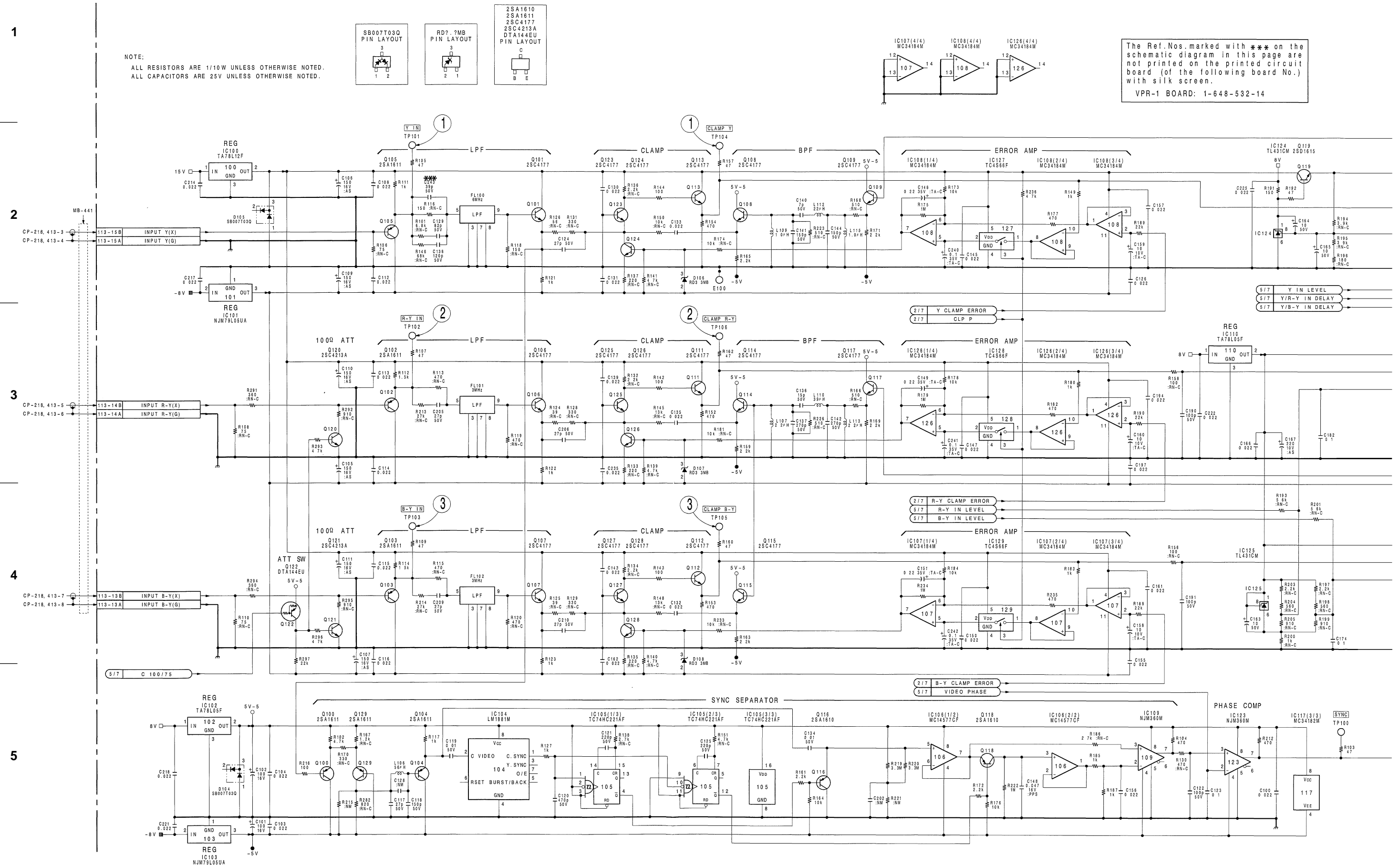
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E

F

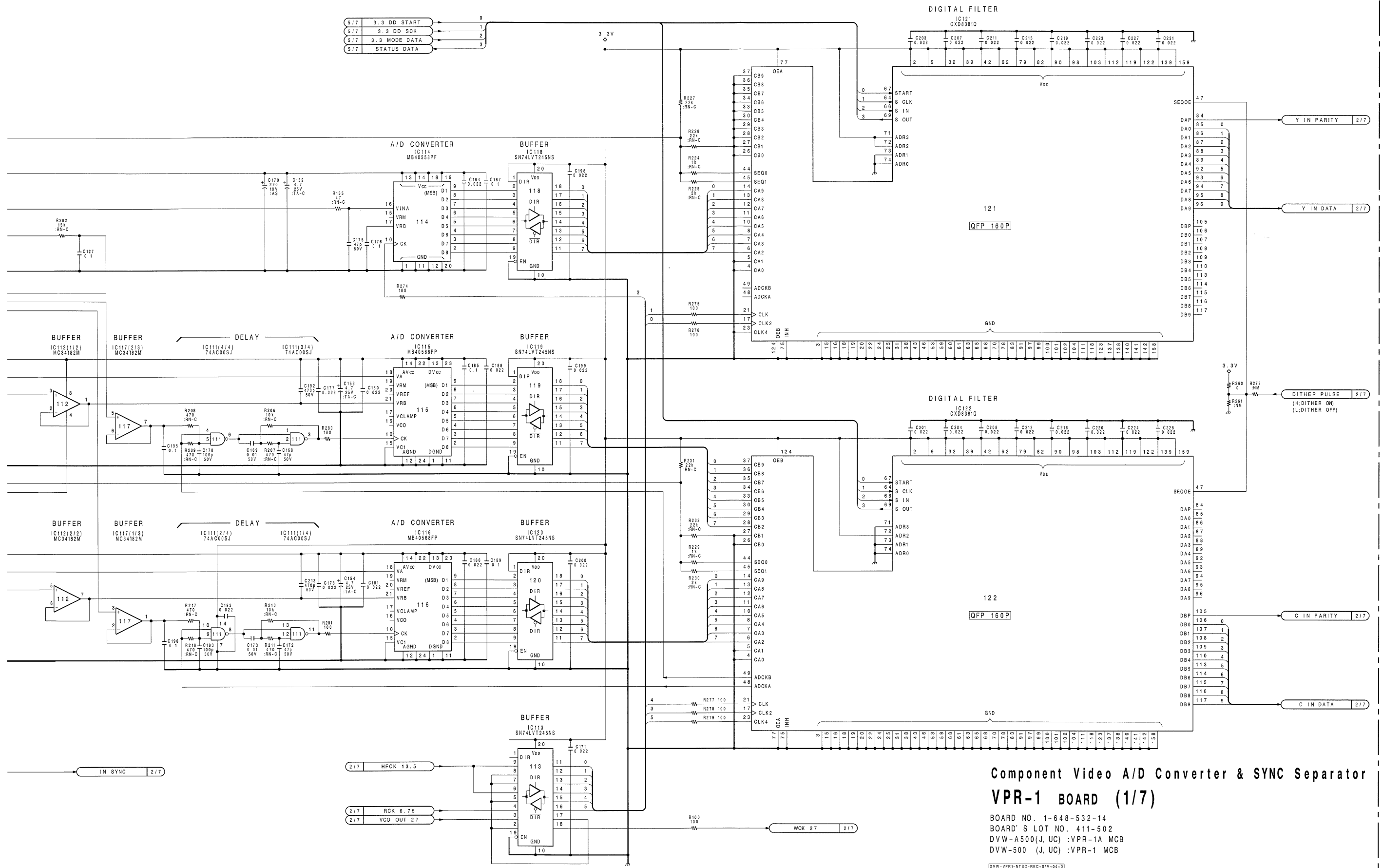
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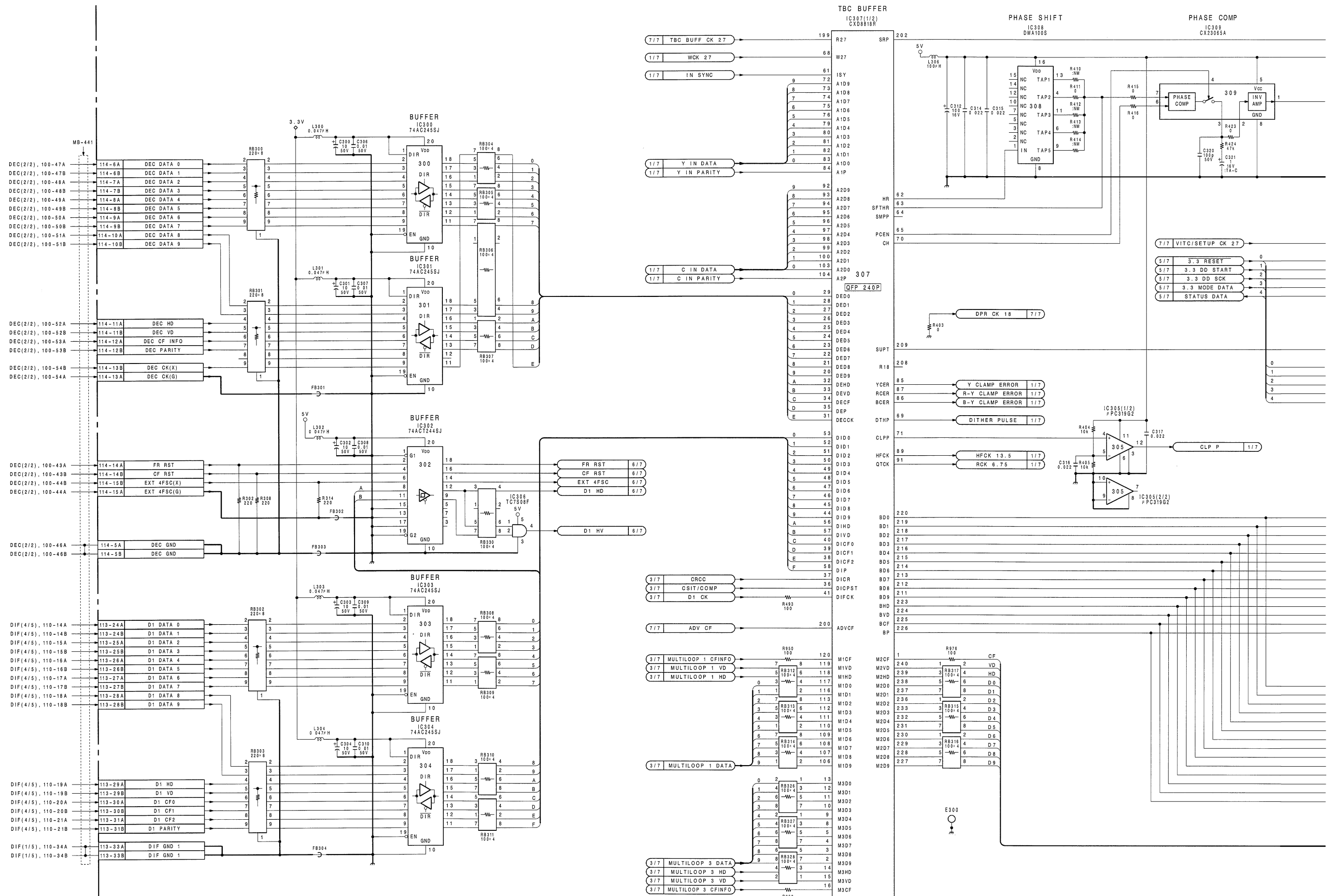
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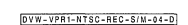


1-6 (d)

1-6 (d)







DYW-VPR1-NTSC-REC-S/M-04-D

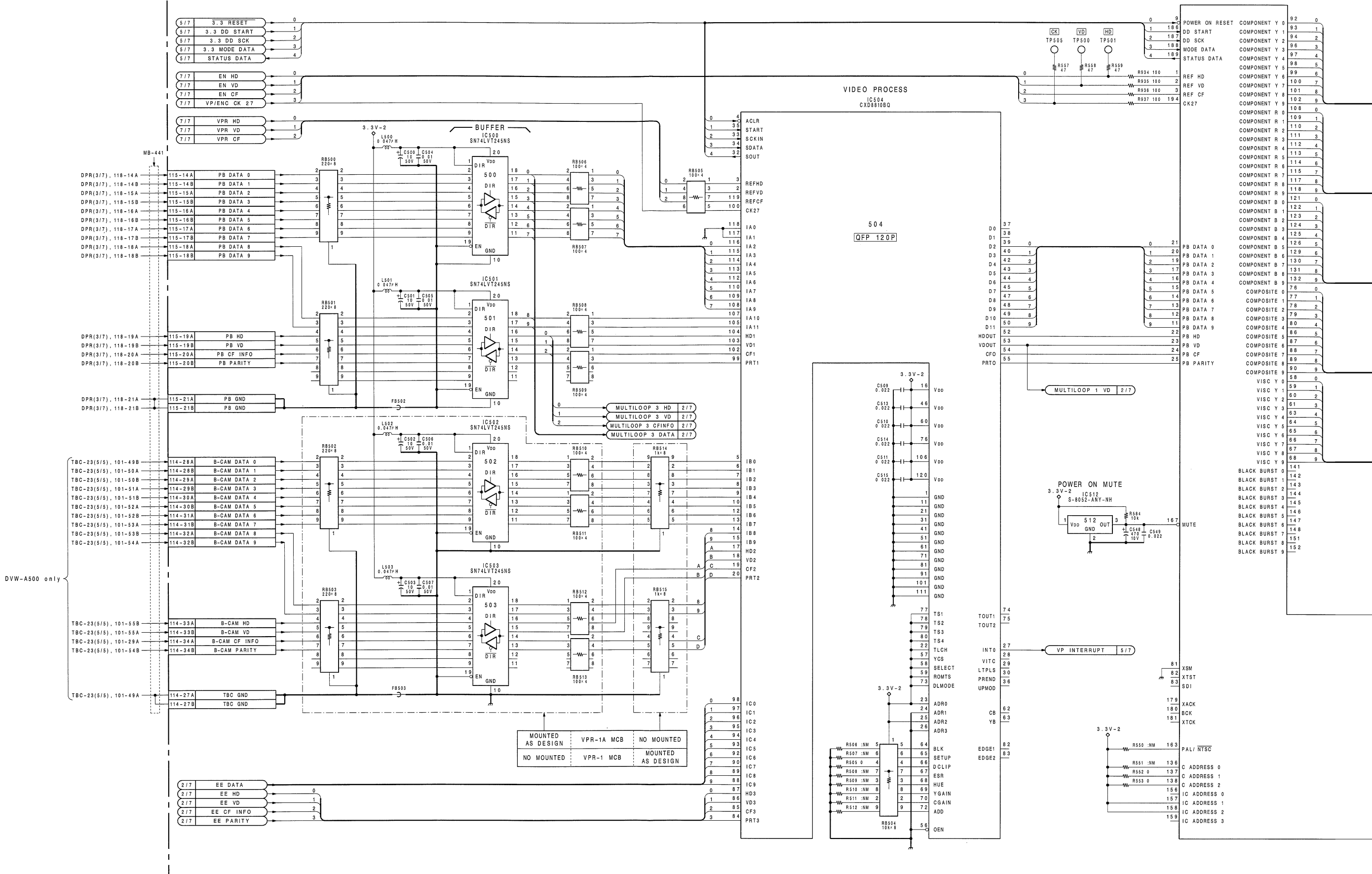
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2

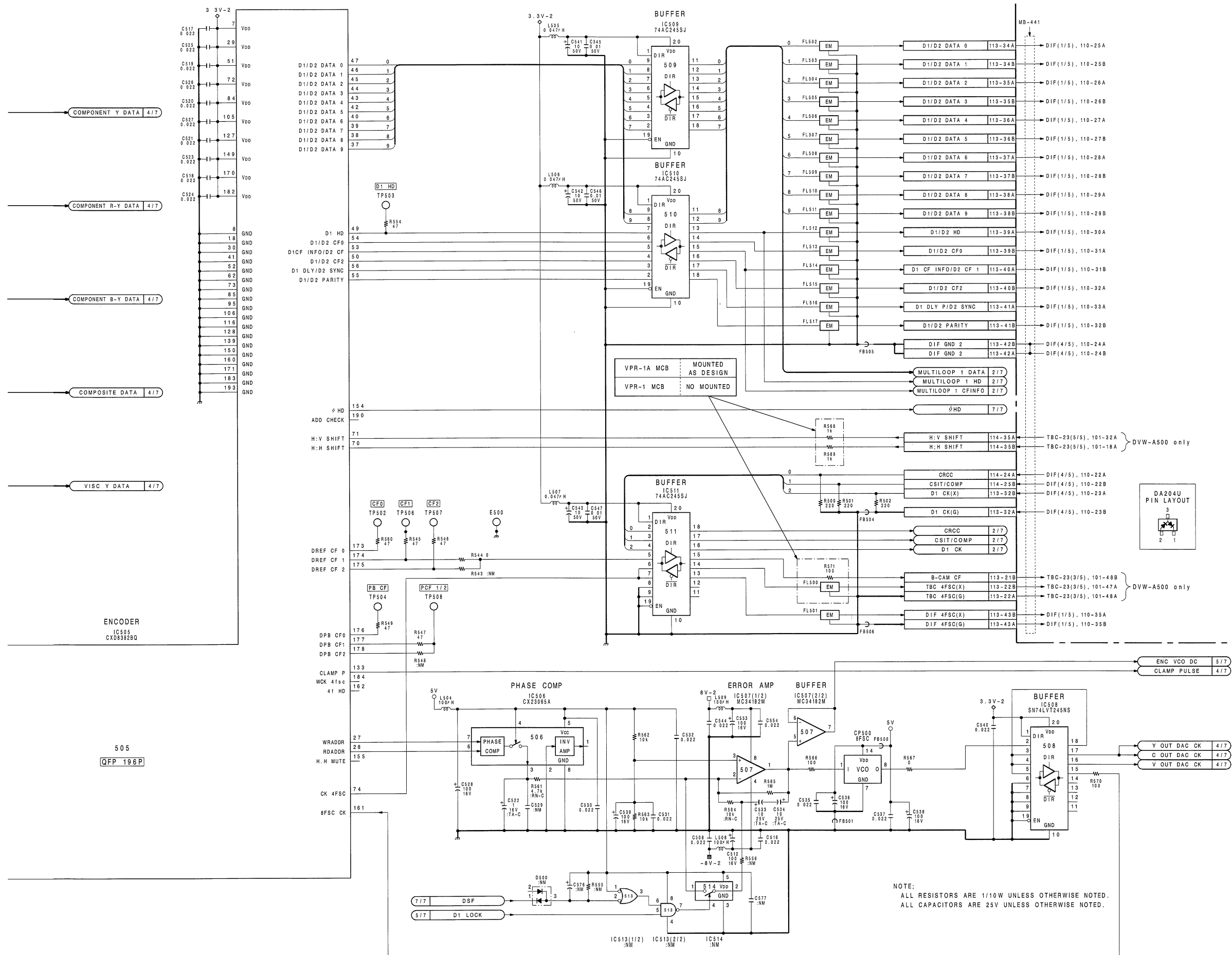
3

4

5



VPR-1 (3/7)



DVW-A500/500 1-11 (d) 1-11 (d)

I	J	K	L	M	N	O	P
---	---	---	---	---	---	---	---

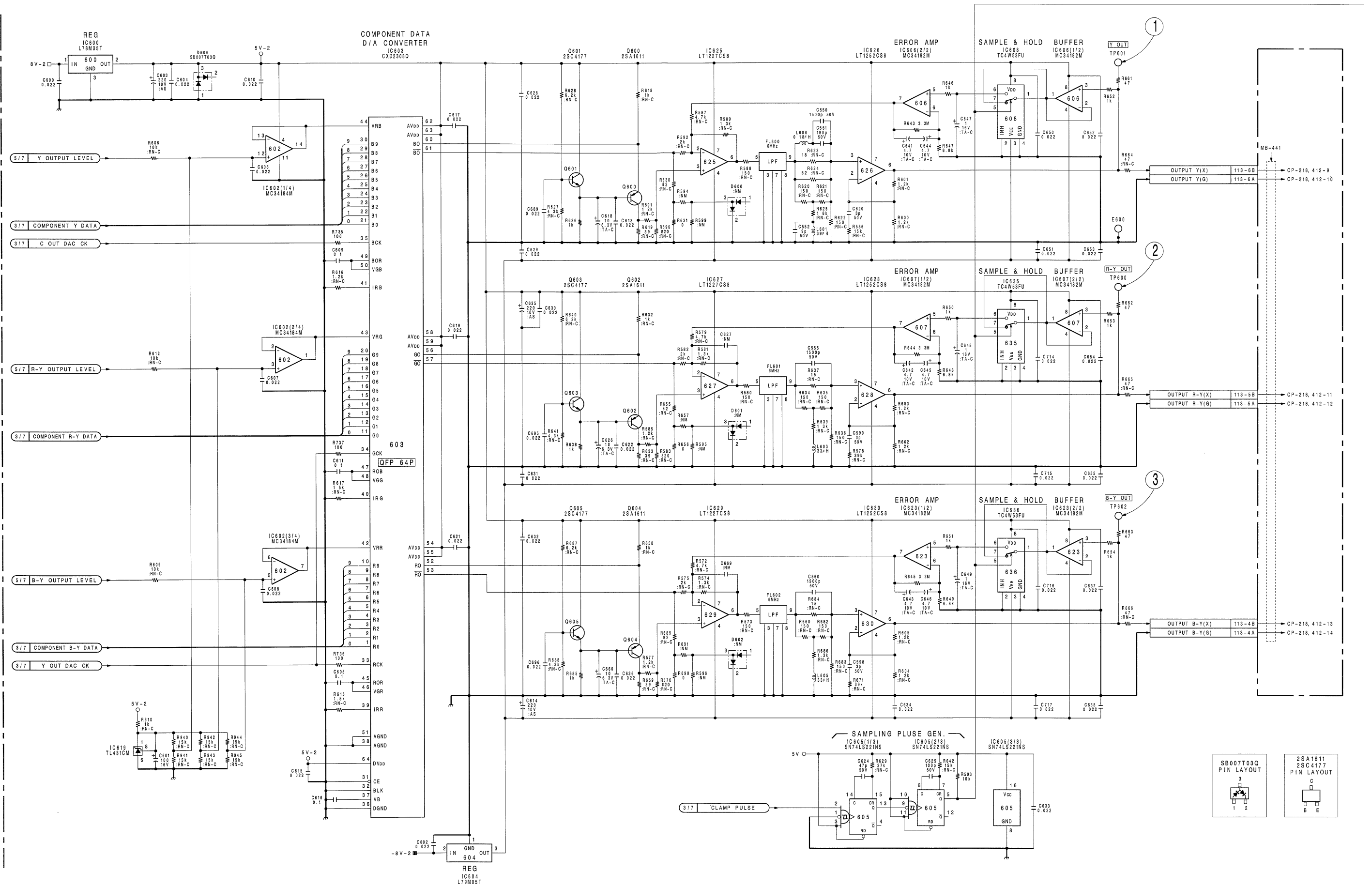
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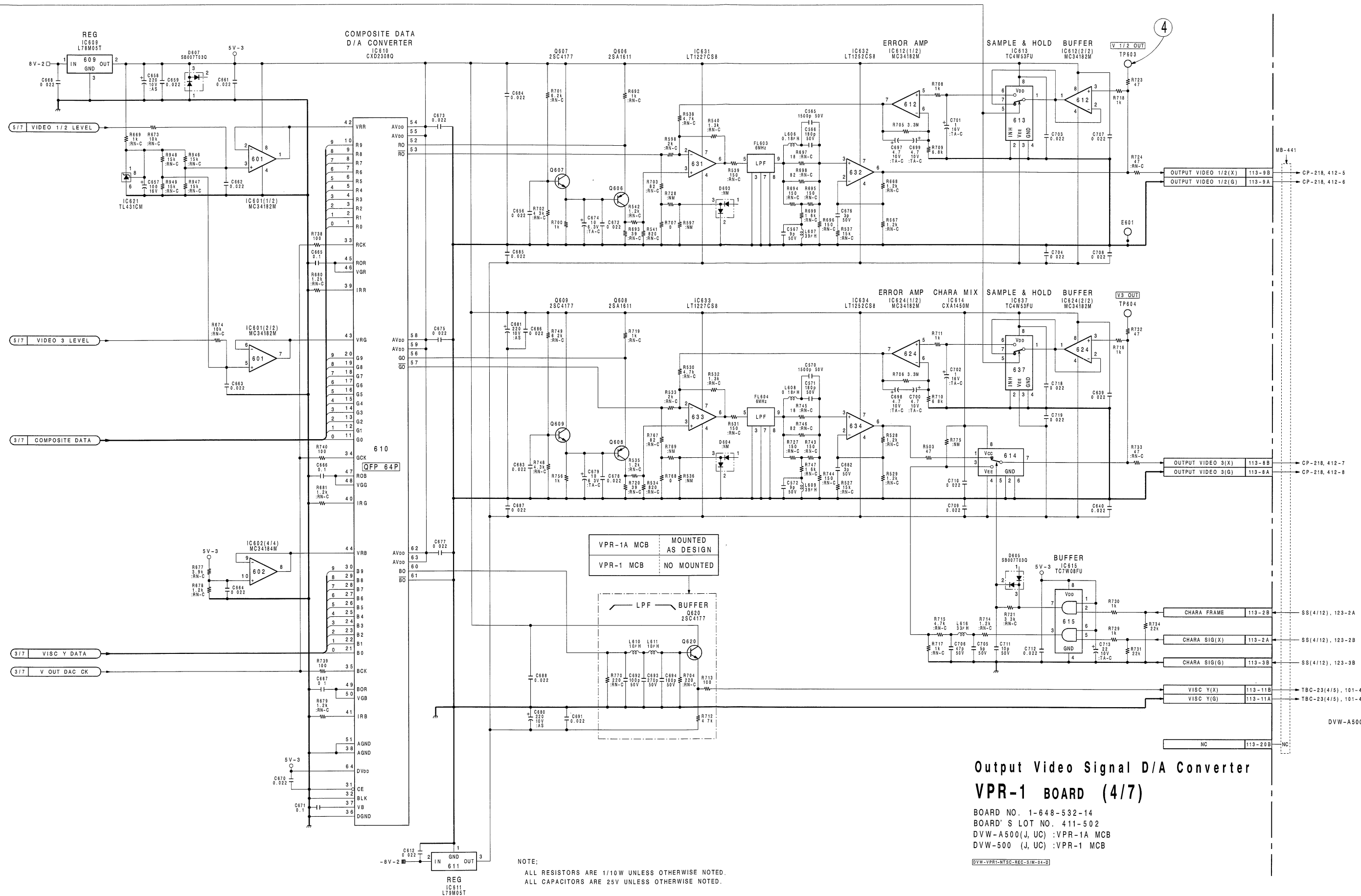
2

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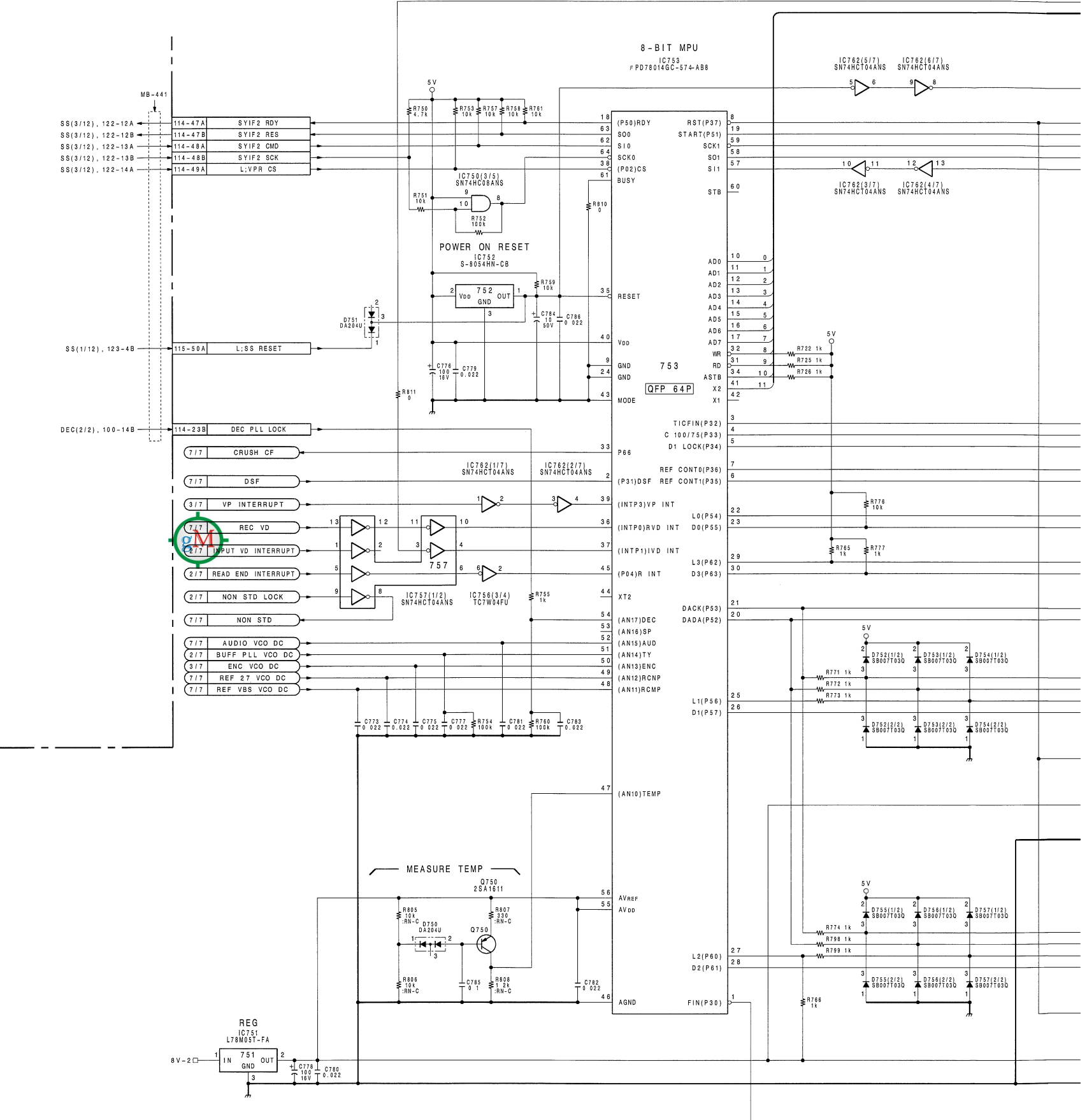
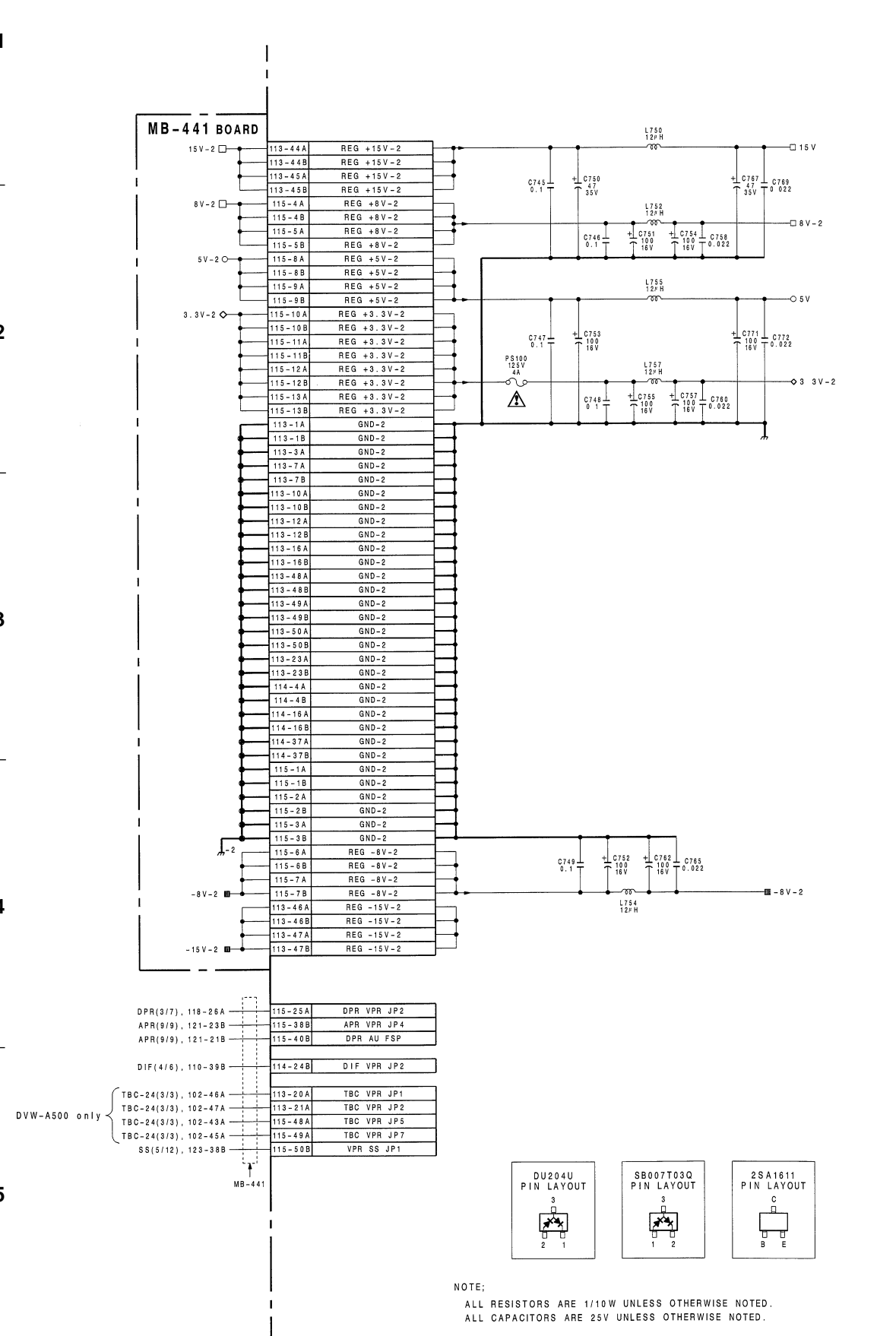
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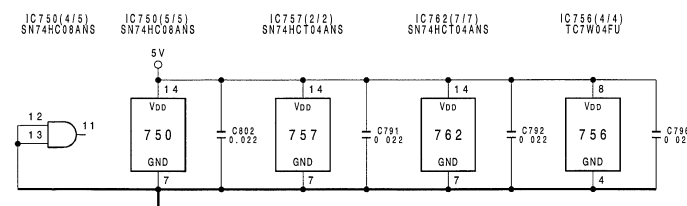
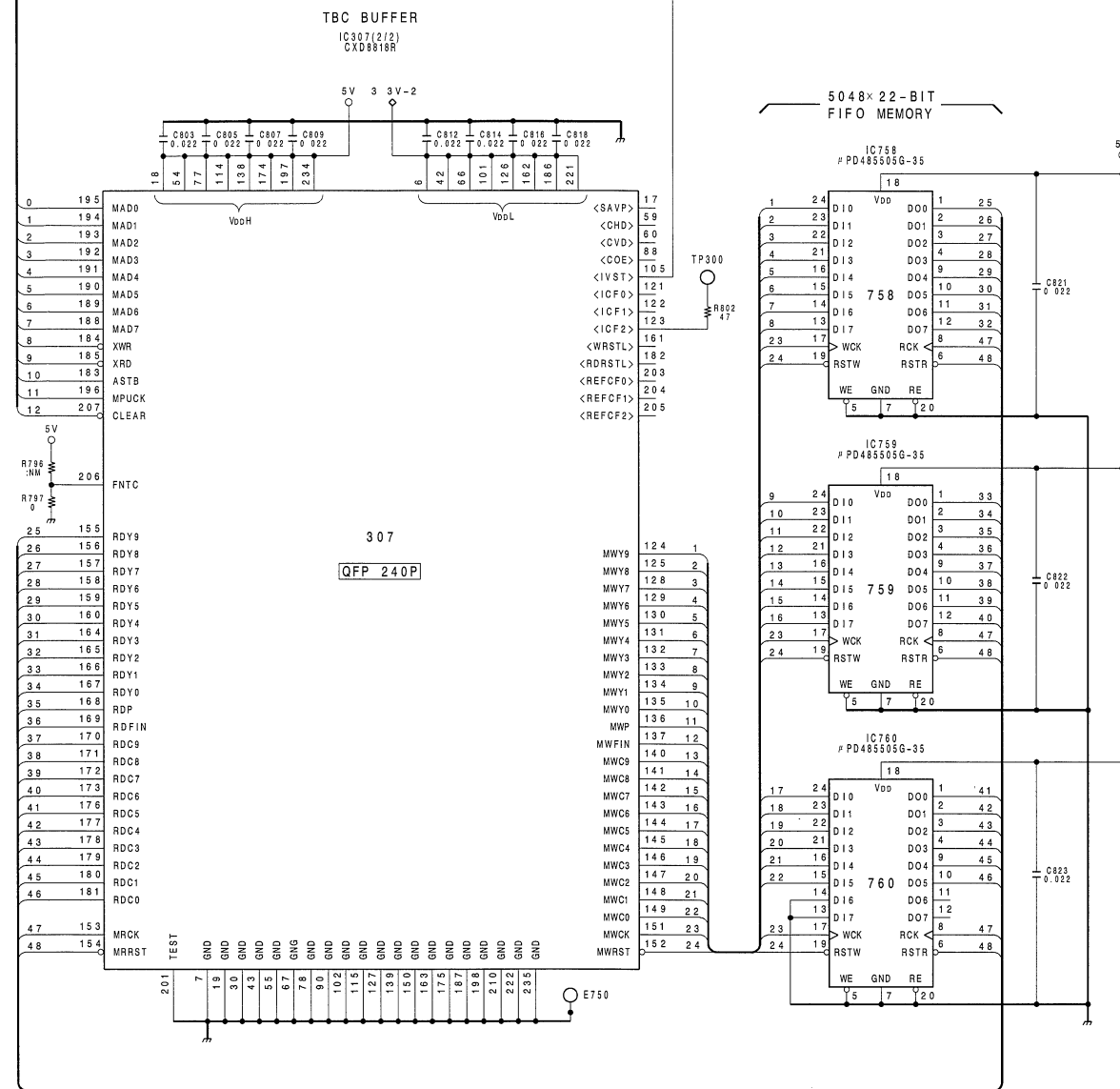
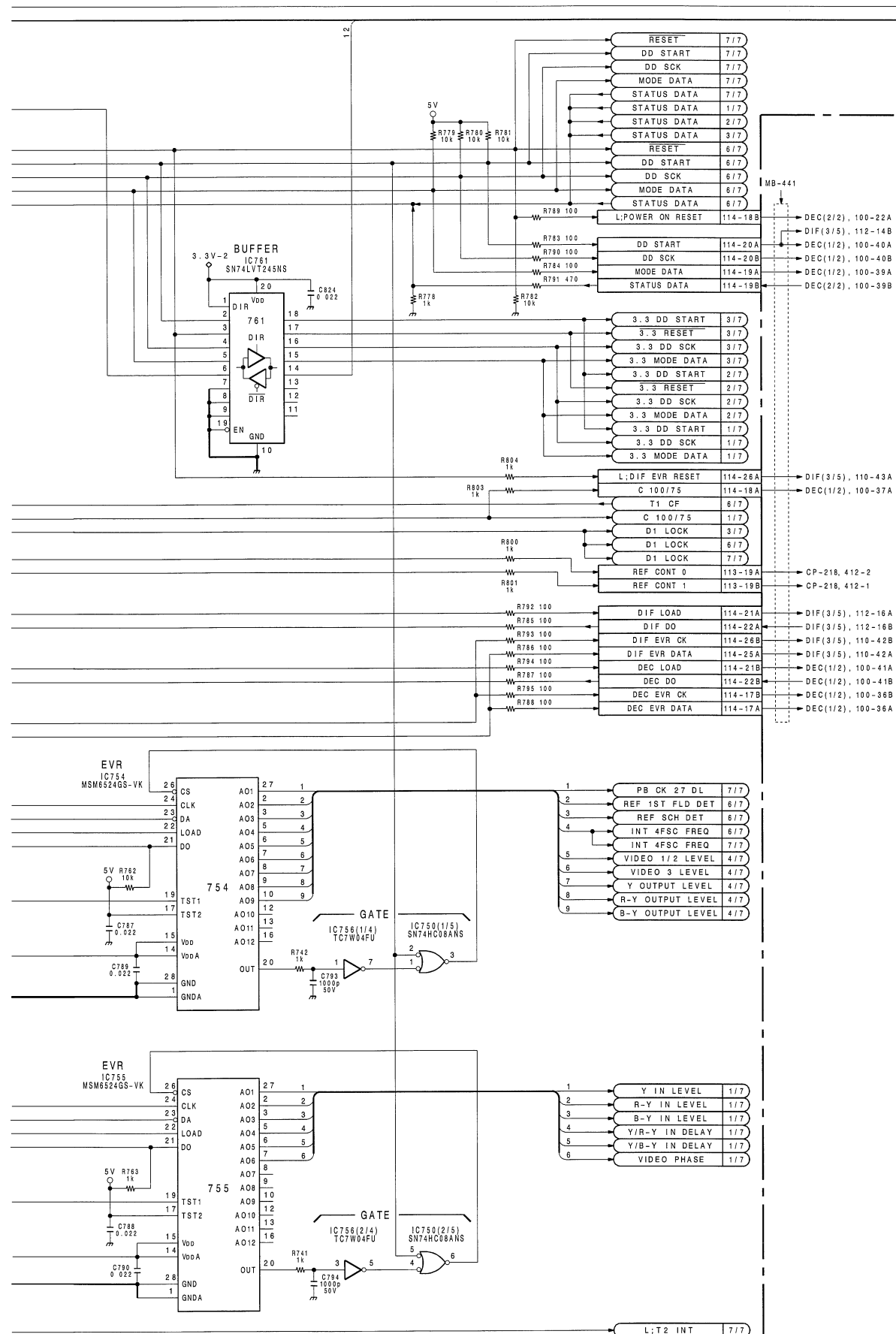
2

3

4

5

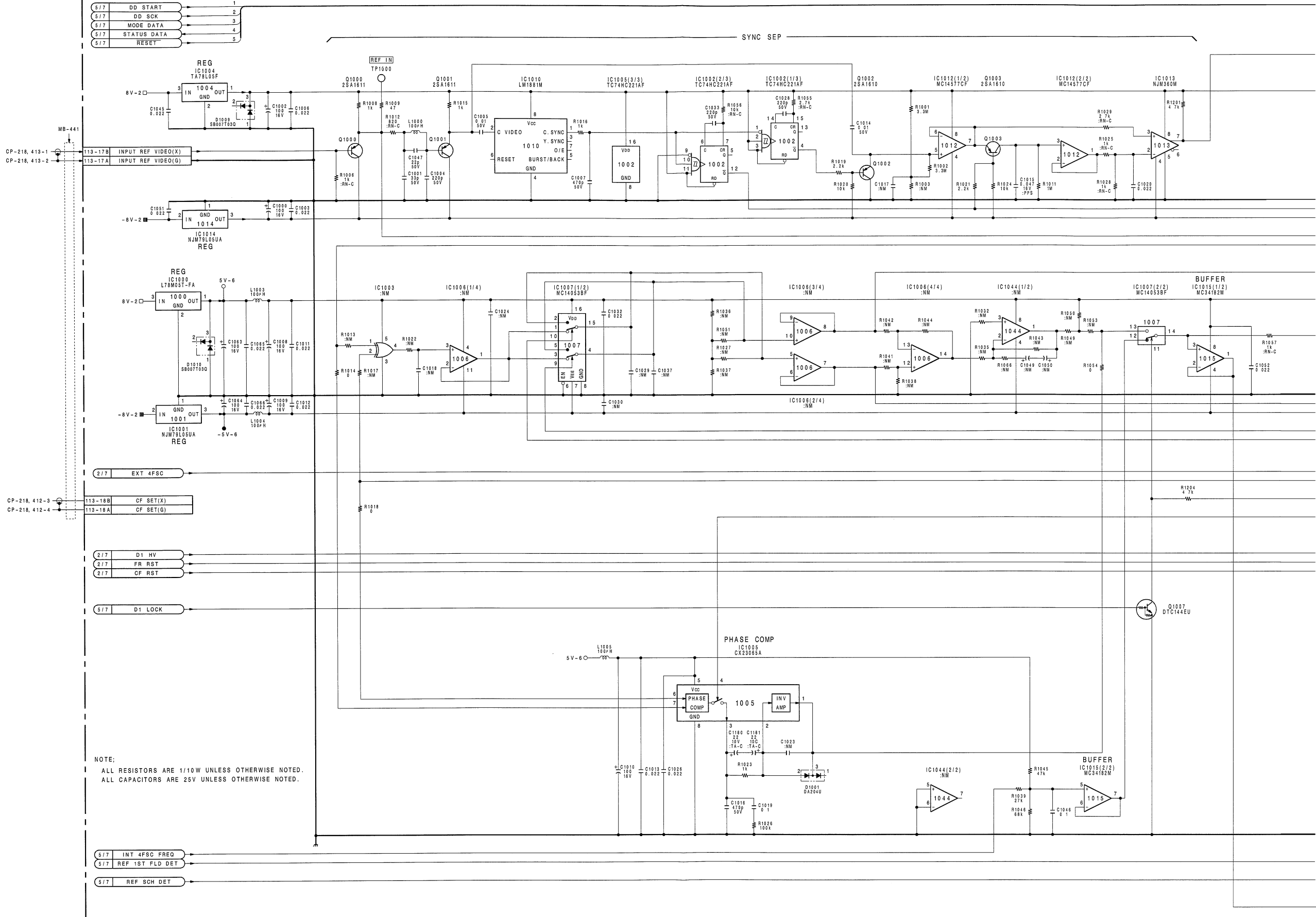


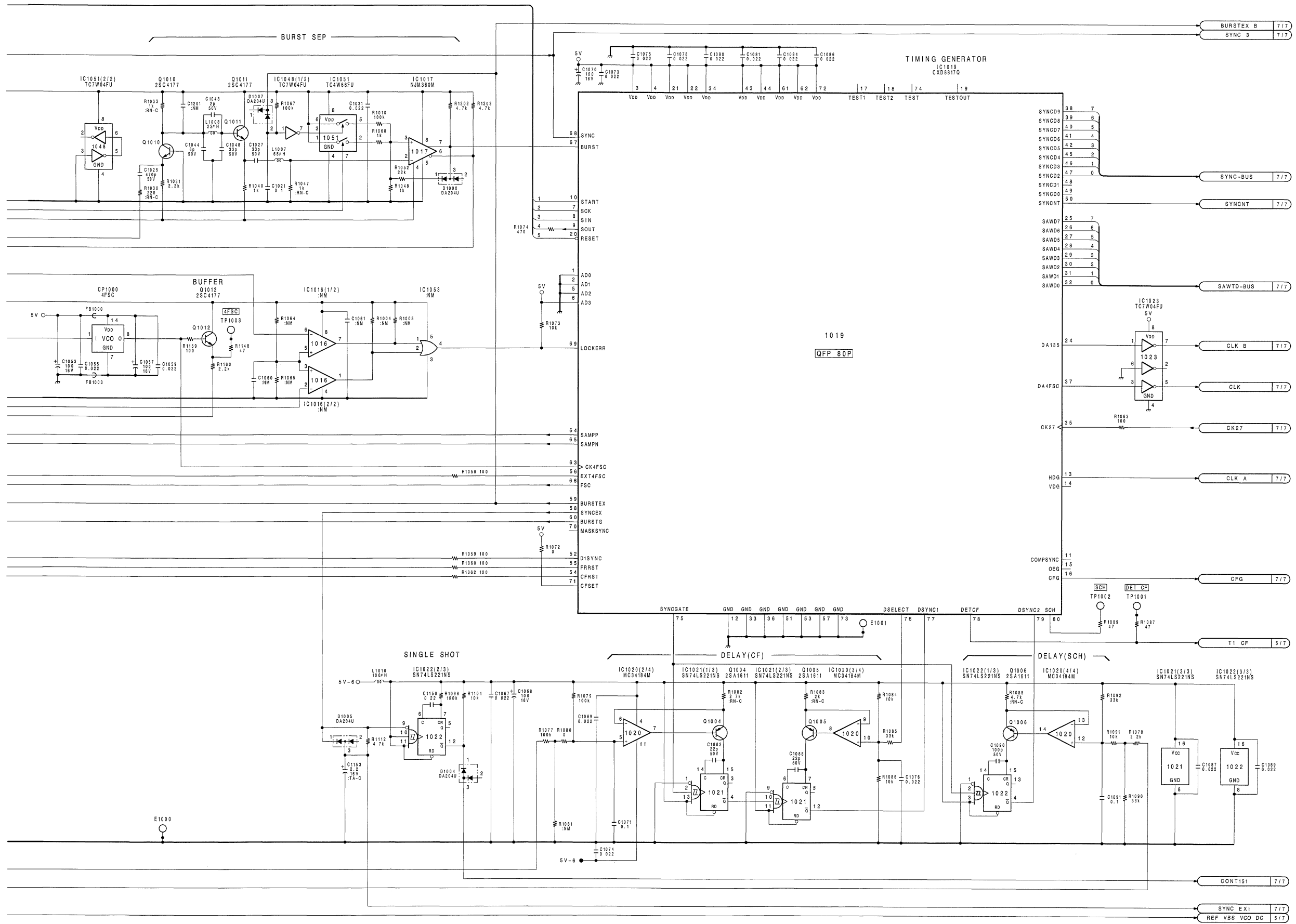


Video Process Control VPR-1 BOARD (5/7)

BOARD NO. 1-648-532-14
BOARD'S LOT NO. 411-502
DVW-A500(J, UC) :VPR-1A MCB
DVW-500 (J, UC) :VPR-1 MCB

(DVW-VPR1-NTSC-REG-SIM-04-D)

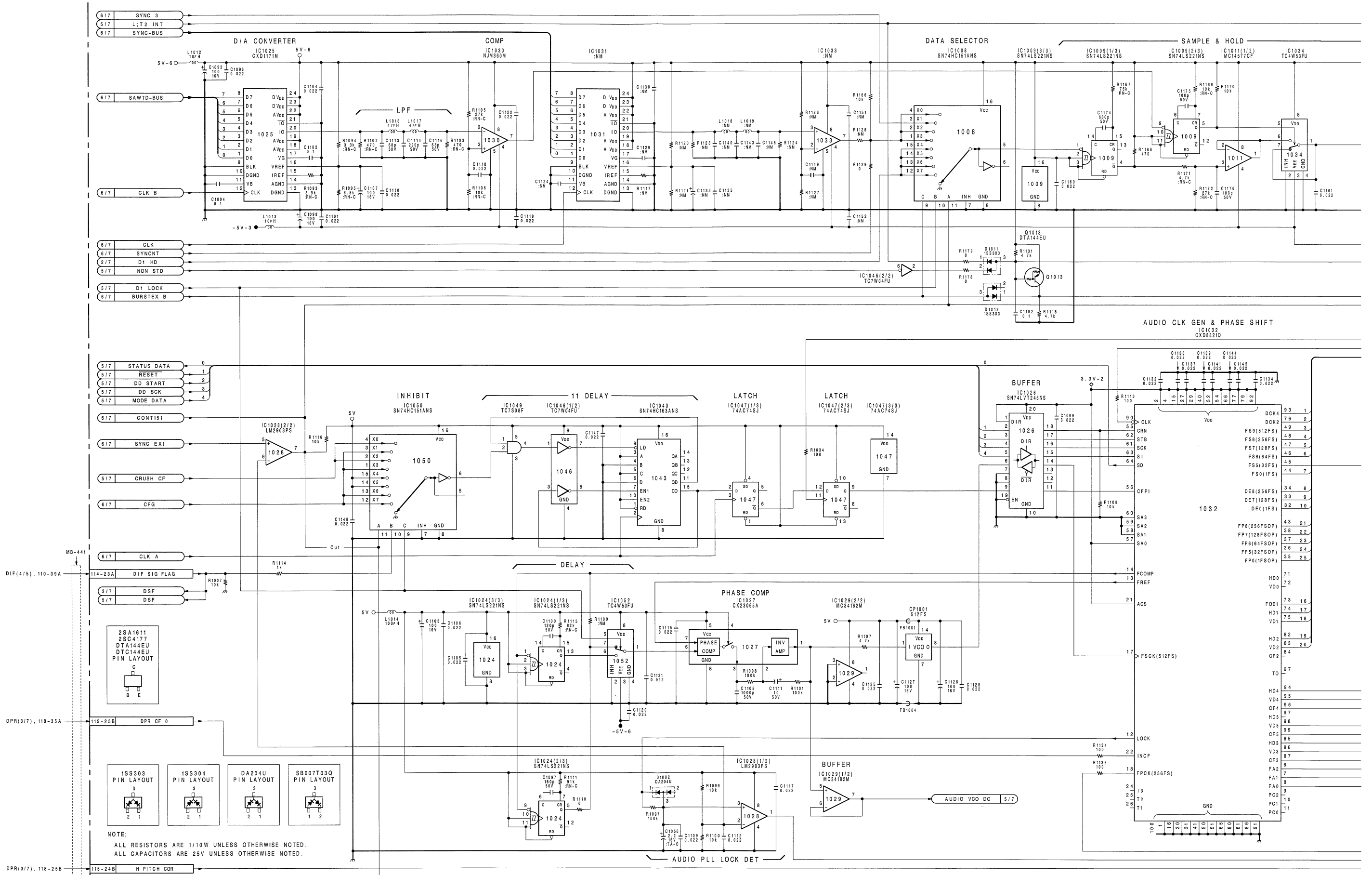


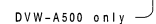


Time Ref Signal(1)
VPR-1 BOARD (6/7)

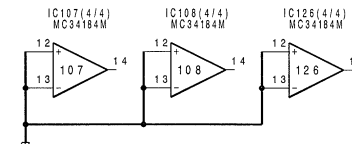
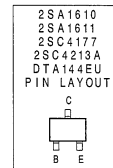
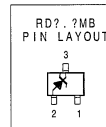
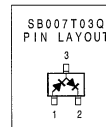
BOARD NO. 1-648-532-14
BOARD'S LOT NO. 411-502
DVW-A500(J, UC) : VPR-1A MCB
DVW-500 (J, UC) : VPR-1 MCB

DVW-VPR1-NTSC-REC-SIM-04-0



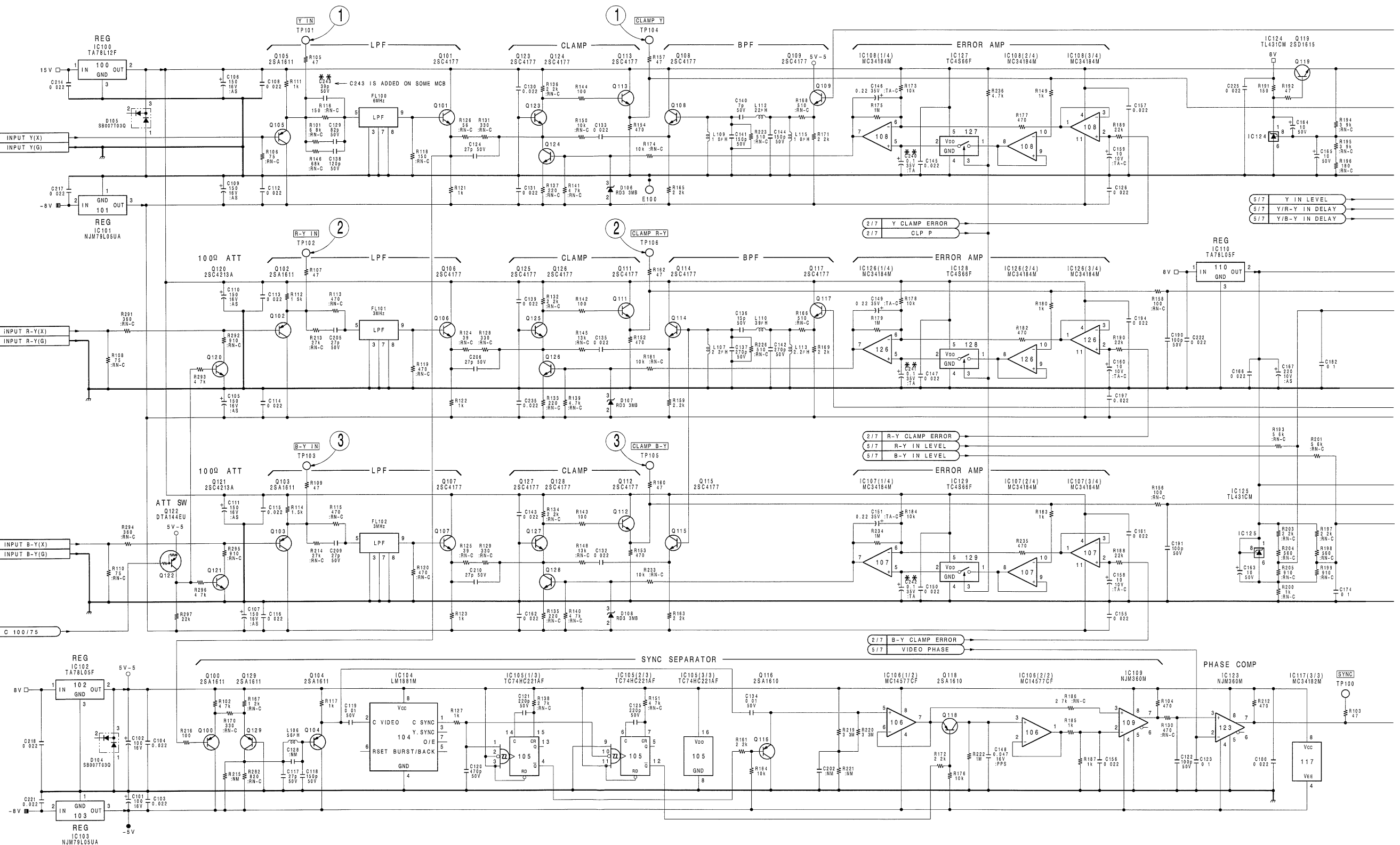


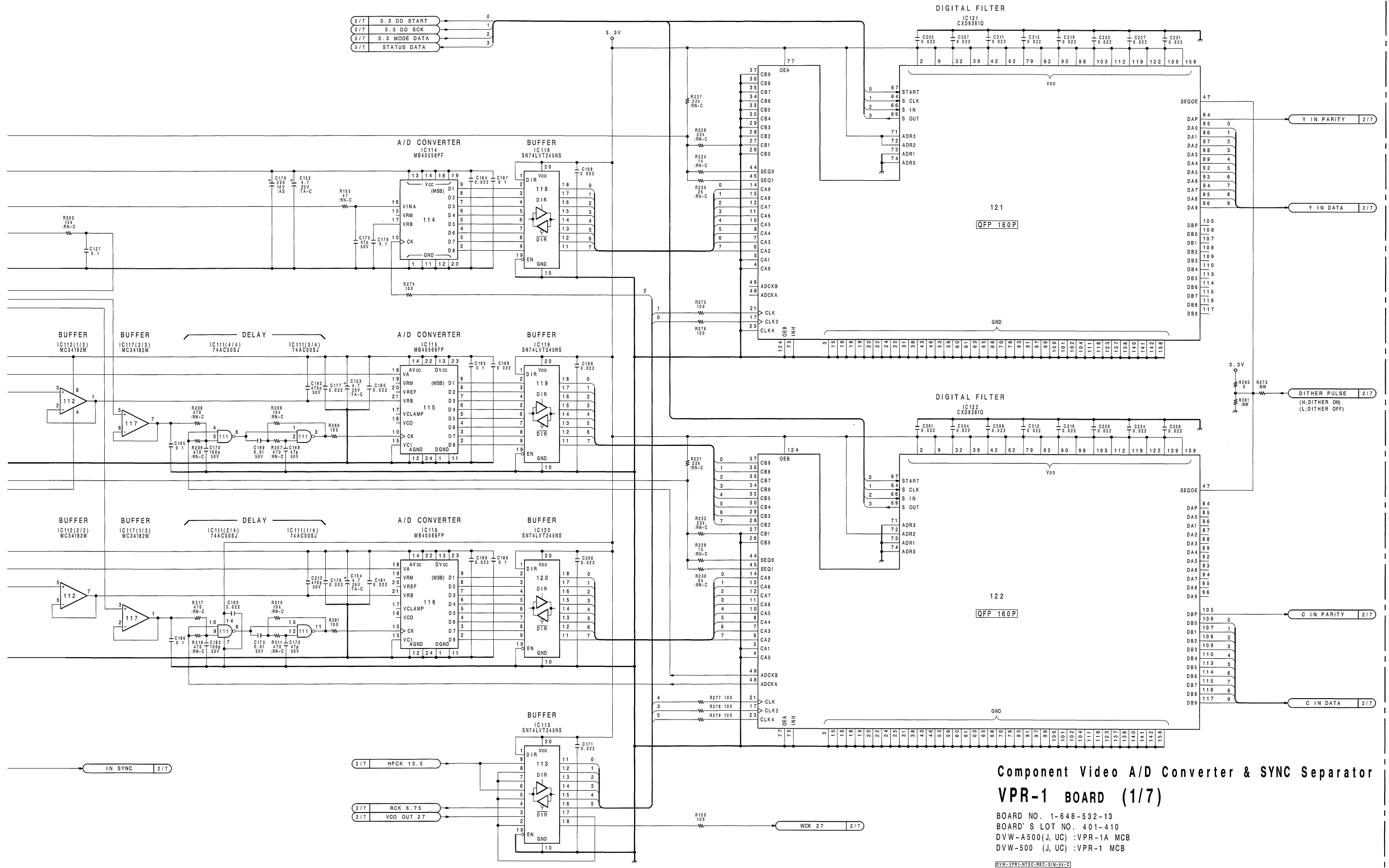
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

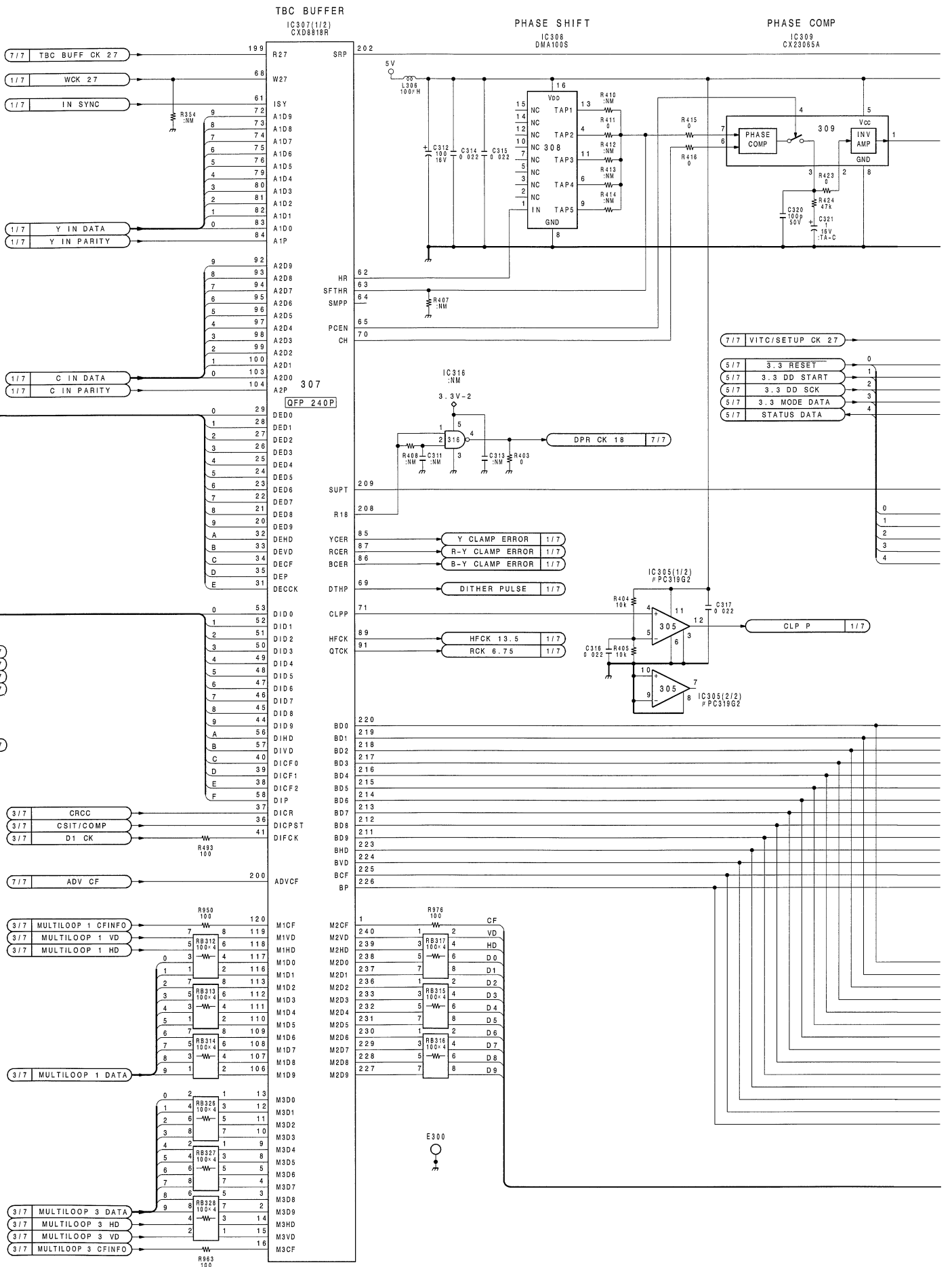


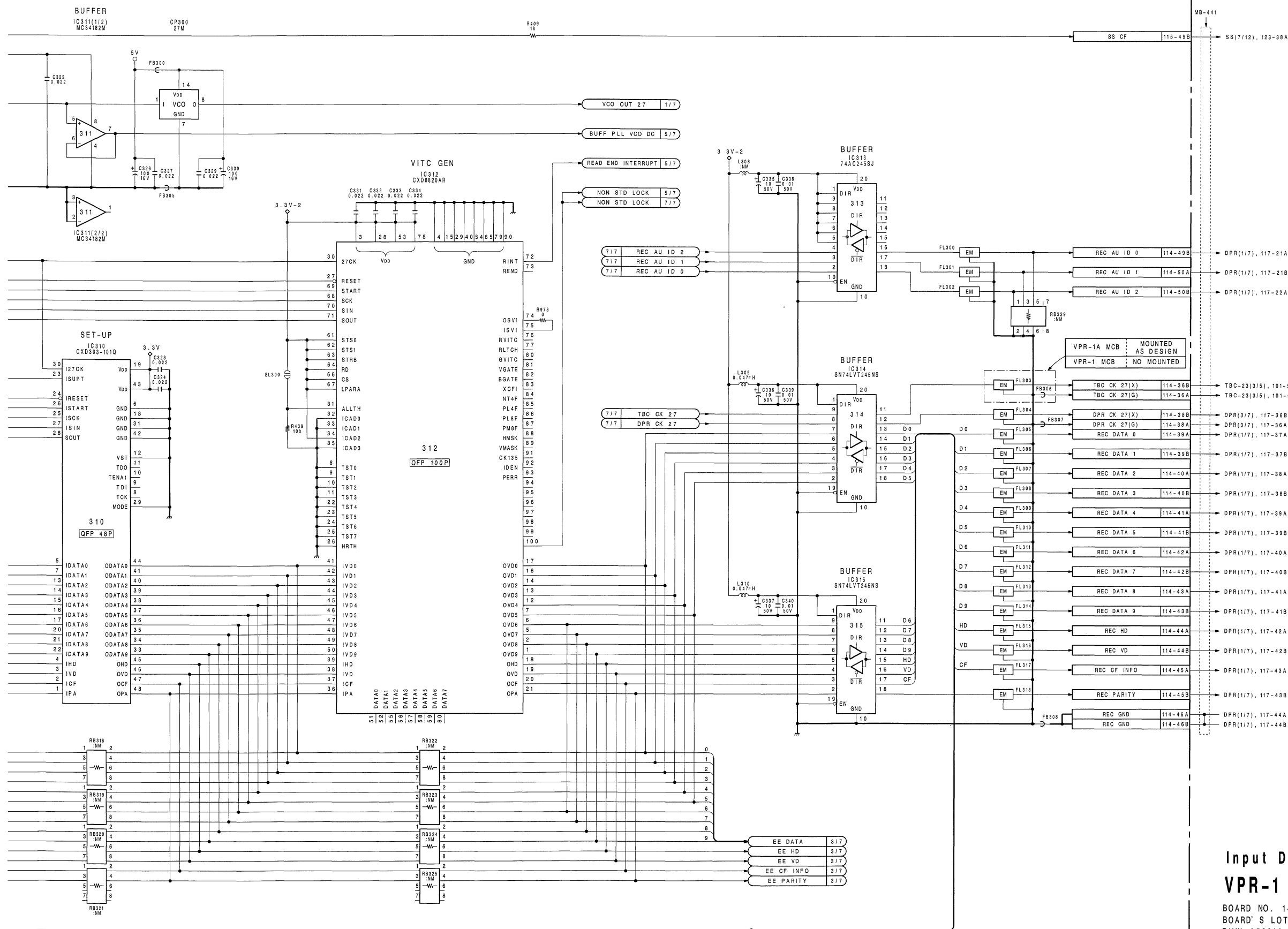
The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

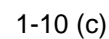
VPR-1 BOARD: 1-648-532-13



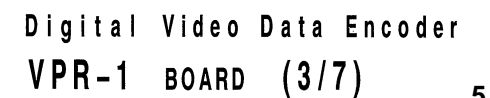






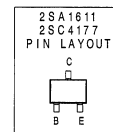


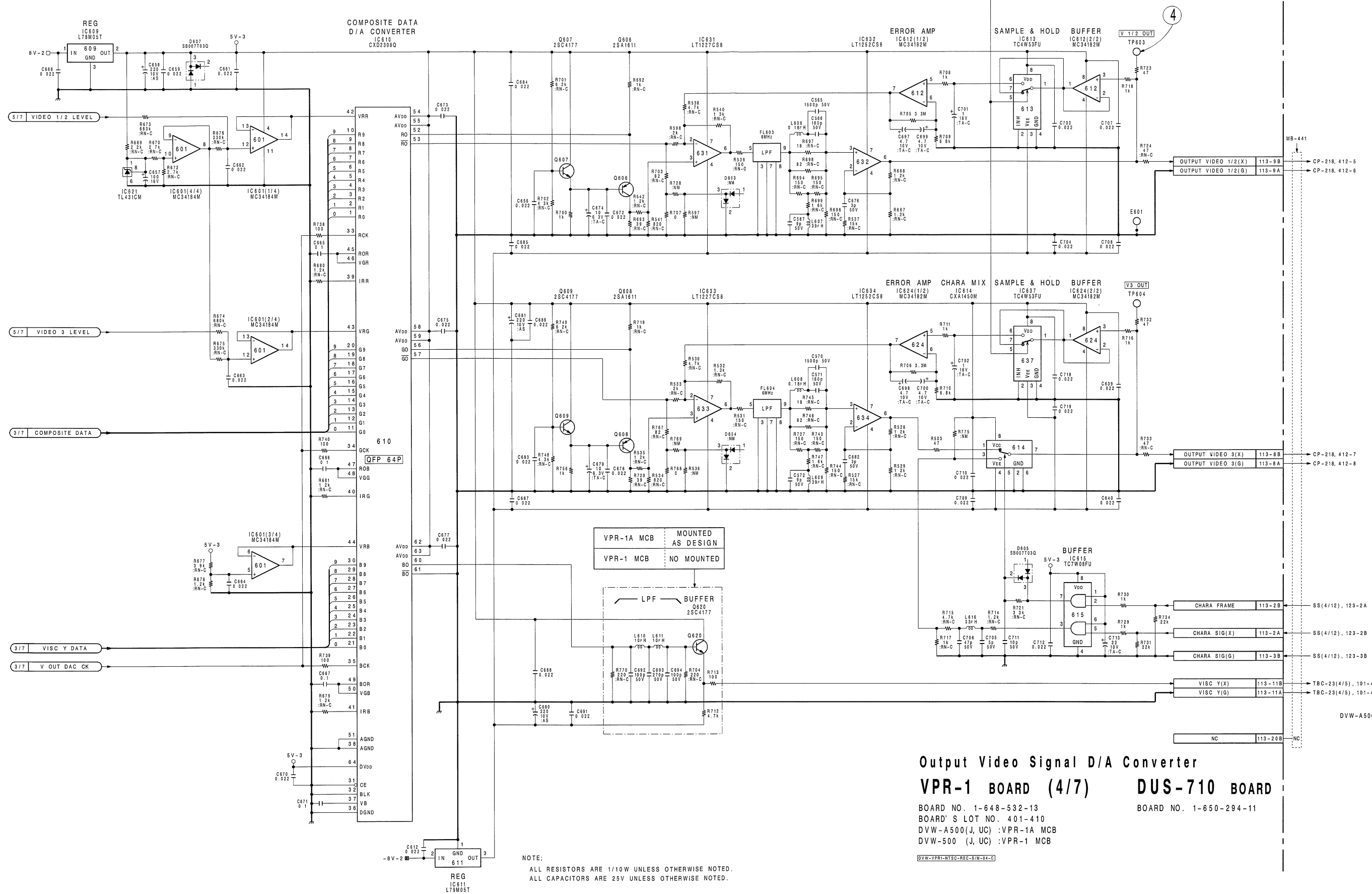
VPR-1 (3/7)



DVW-VPRI-NTSC-REC-S/M-04-C

NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.





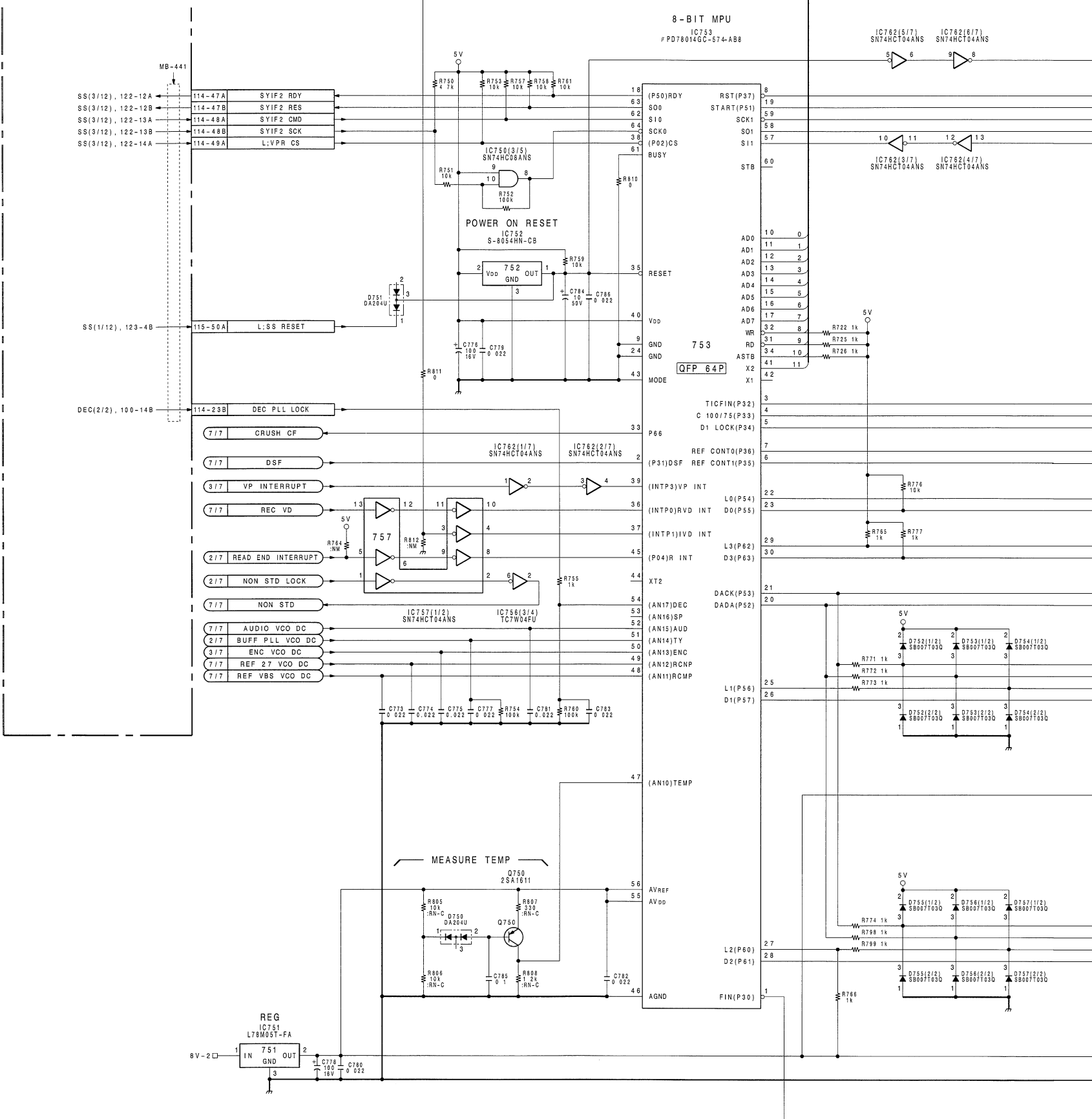
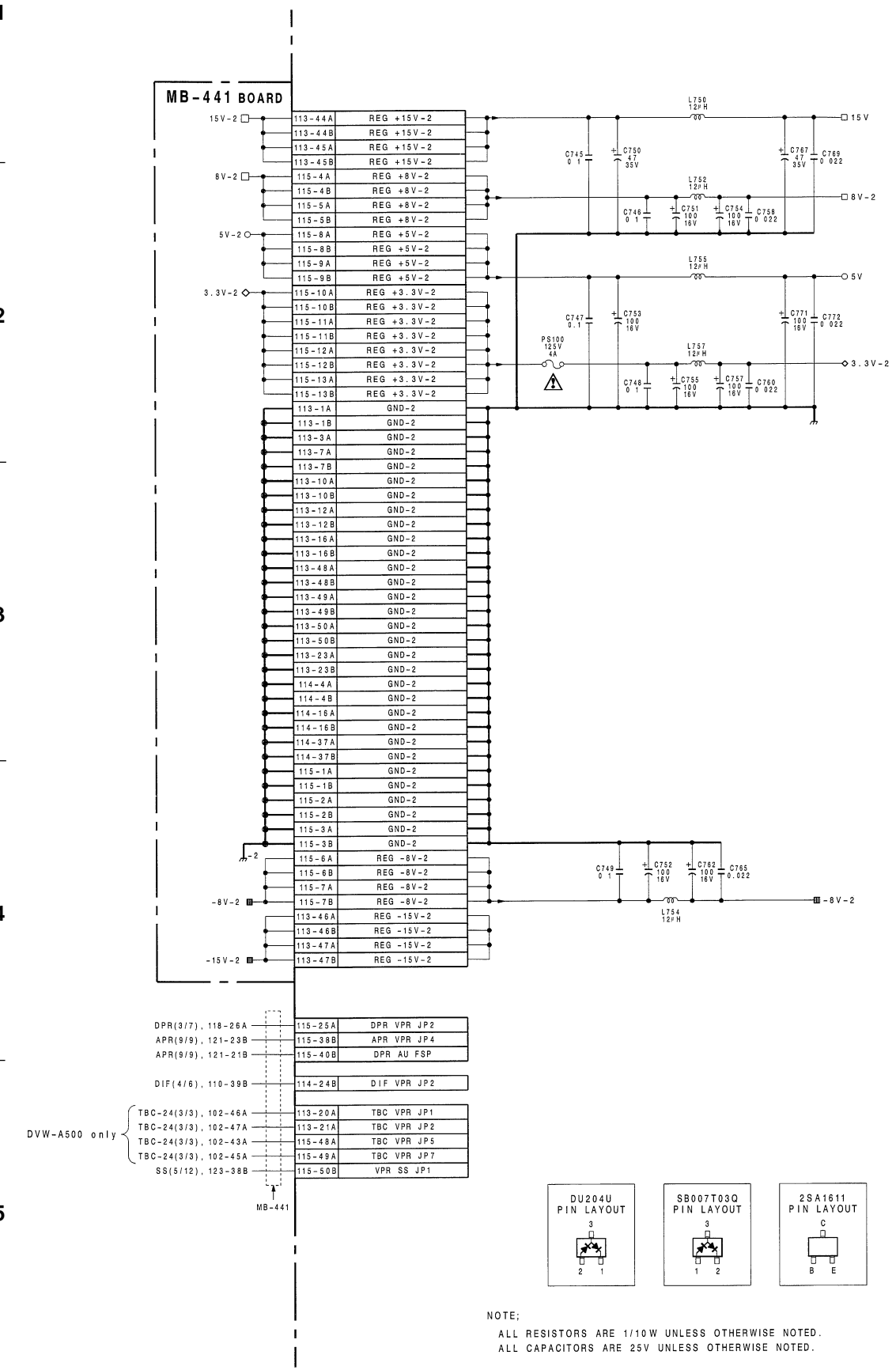
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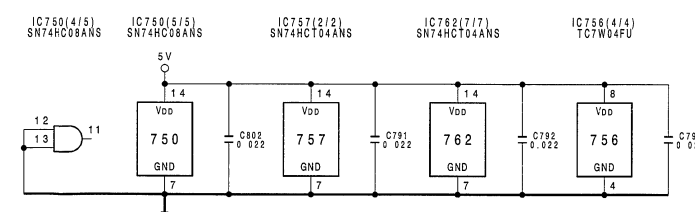
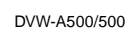
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3

4

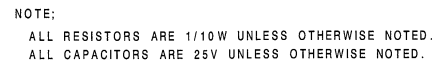
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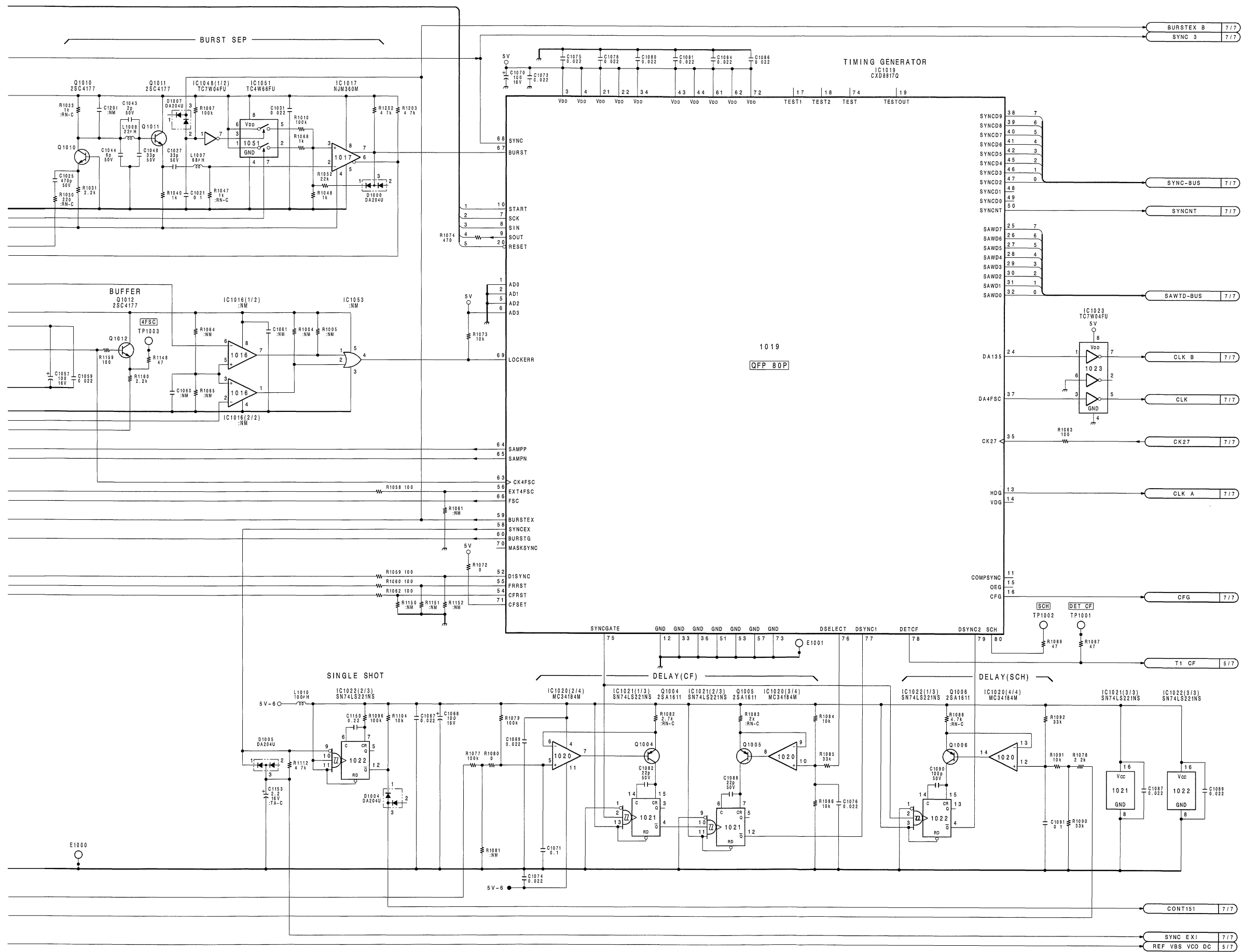




BOARD NO. 1-648-532-13
BOARD'S LOT NO. 401-410
DVW-A500(J, UC) :VPR-1A MCB
DVW-500 (J, UC) :VPR-1 MCB

DVW-VPR1-NTSC-REC-S/M-04-C

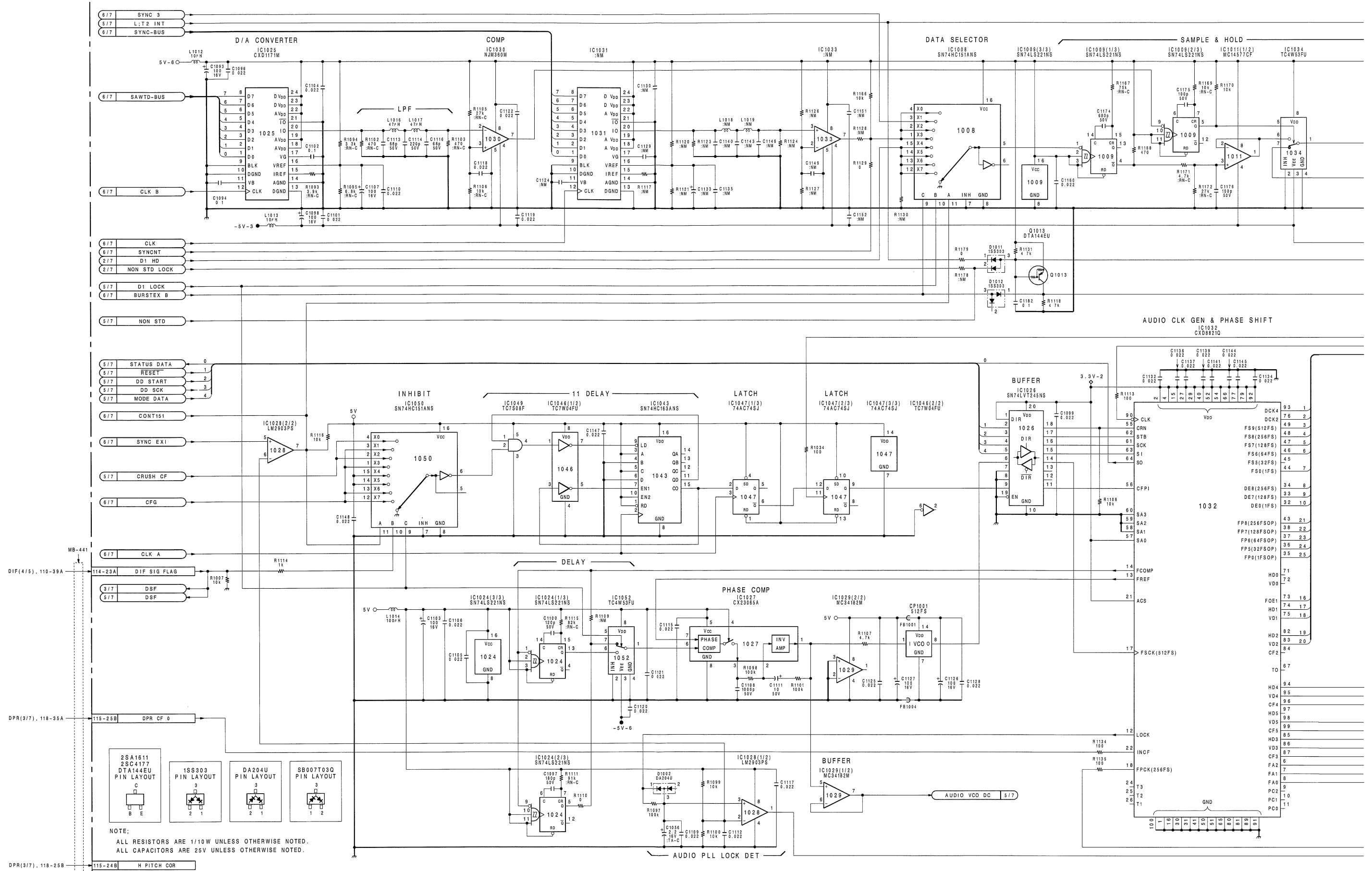




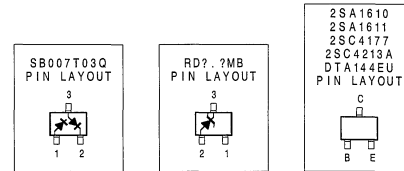
Time Ref Signal(1) VPR-1 BOARD (6/7)

BOARD NO. 1-648-532-13
BOARD'S LOT NO. 401-410
DVW-A500(J, UC) :VPR-1A MCB
DVW-500 (J, UC) :VPR-1 MCB

DVW-VPR1-NTSC-REC-SIW-84-C



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

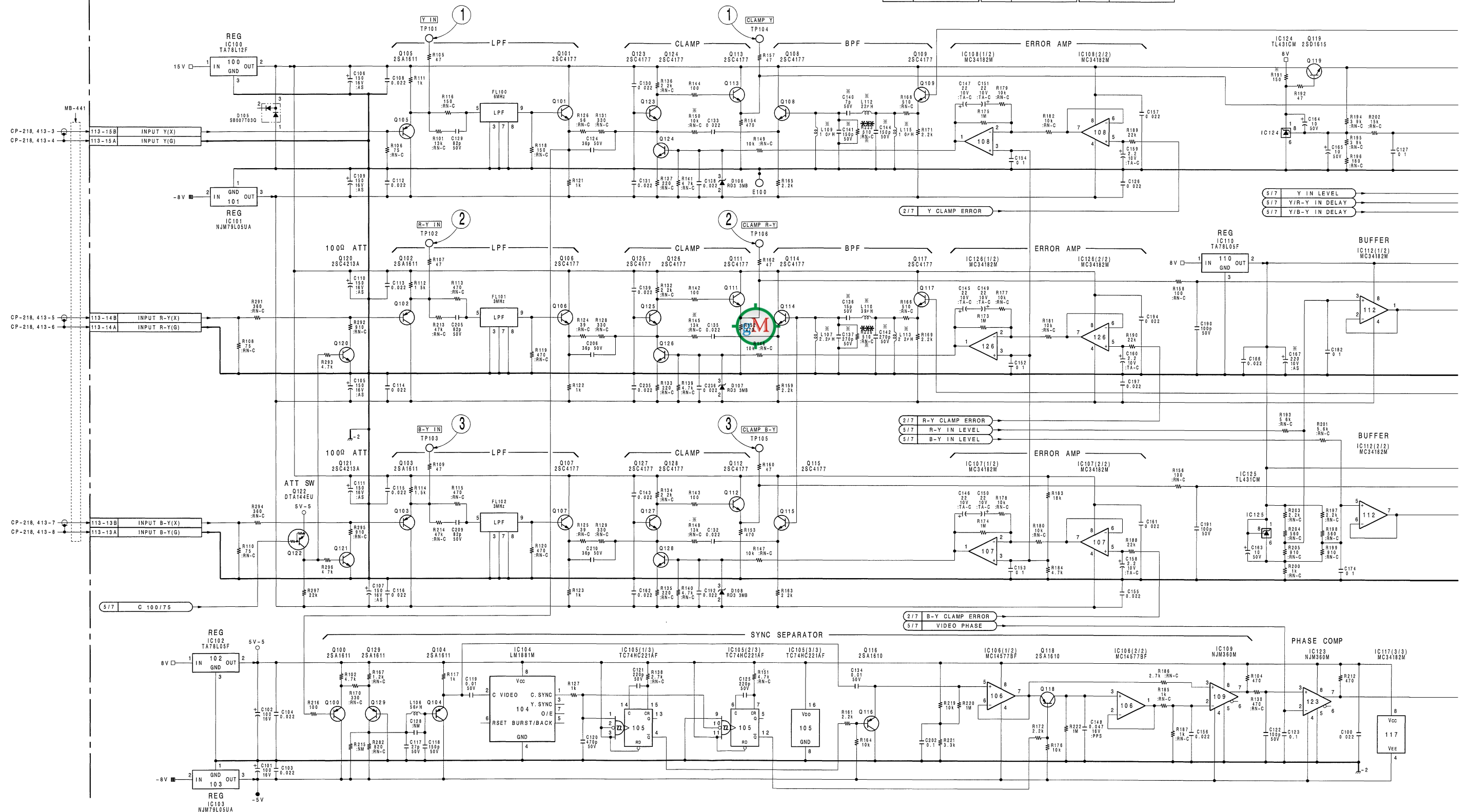


※PART LIST FOR LOT NO. 306-308, AND 309(SOME MCB)

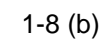
ADDRESS	PART DESCRIPTION	ADDRESS	PART DESCRIPTION	ADDRESS	PART DESCRIPTION
D-2	R150 100k :RN-C	G-2	R191 470	J-3	C8103 NOTHING
D-3	R145 82k :RN-C	G-3	C167 47 6.3V :AS	J-4	C8104 NOTHING
D-4	R148 82k :RN-C	J-2	C179 100 16V	K-2	C8102 NOTHING
	C140 10p 50V		C136 22p 50V		R224 4.7k :RN-C
	C141 47p 50V		C137 100p 50V		R225 10k :RN-C
	C144 15p 50V		C142 33p 50V		R227 4.3k :RN-C
	L109 2.2pH		L112 10pH		R228 4.3k :RN-C
	L112 10pH		L110 22pH		R229 4.7k :RN-C
	L115 8.2pH		L115 18pH		R230 10k :RN-C
	R223 NOTHING		R226 NOTHING		R231 4.3k :RN-C
					R232 4.3k :RN-C

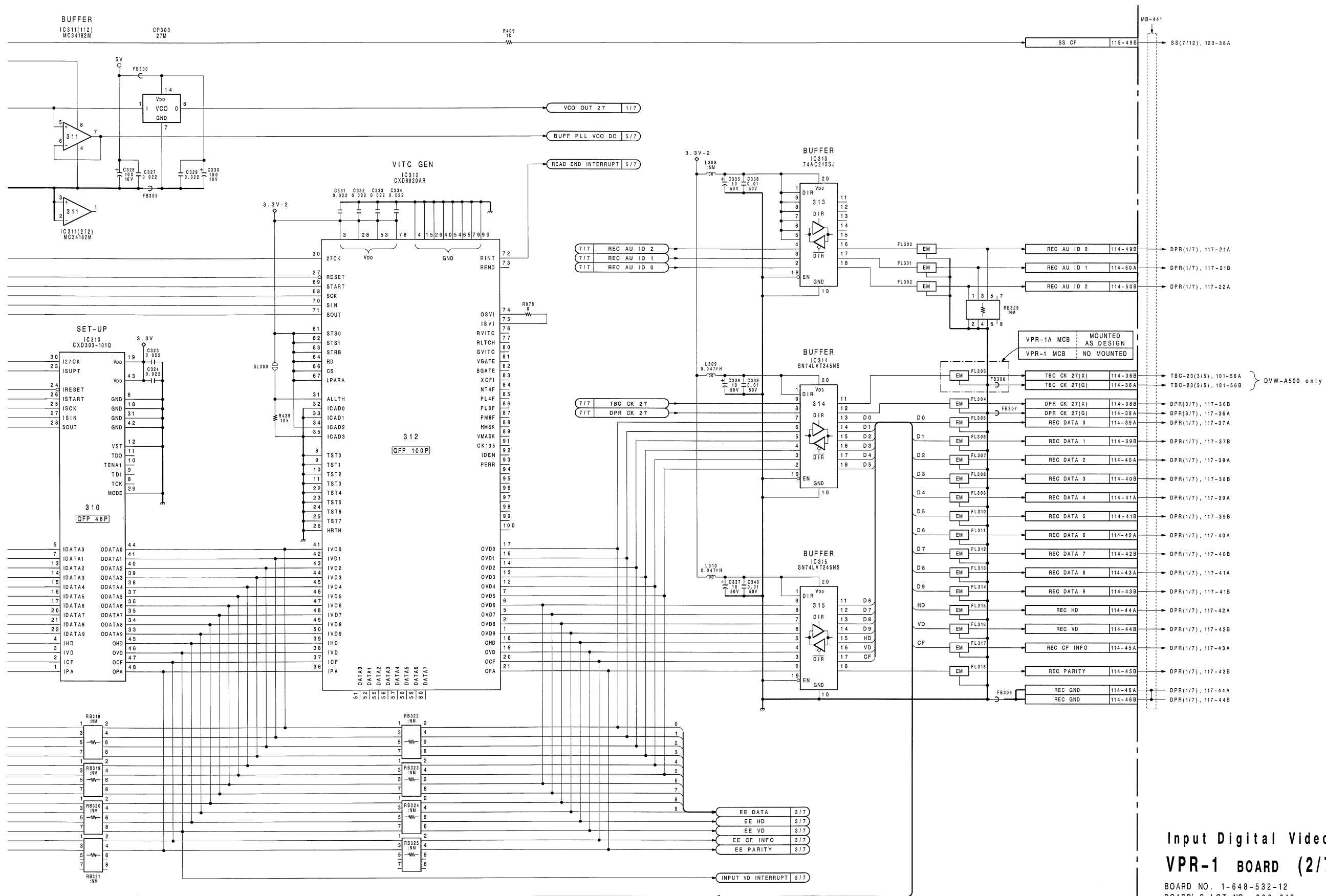
The Ref.Nos.marked with *** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

VPR-1 BOARD: 1-648-532-12







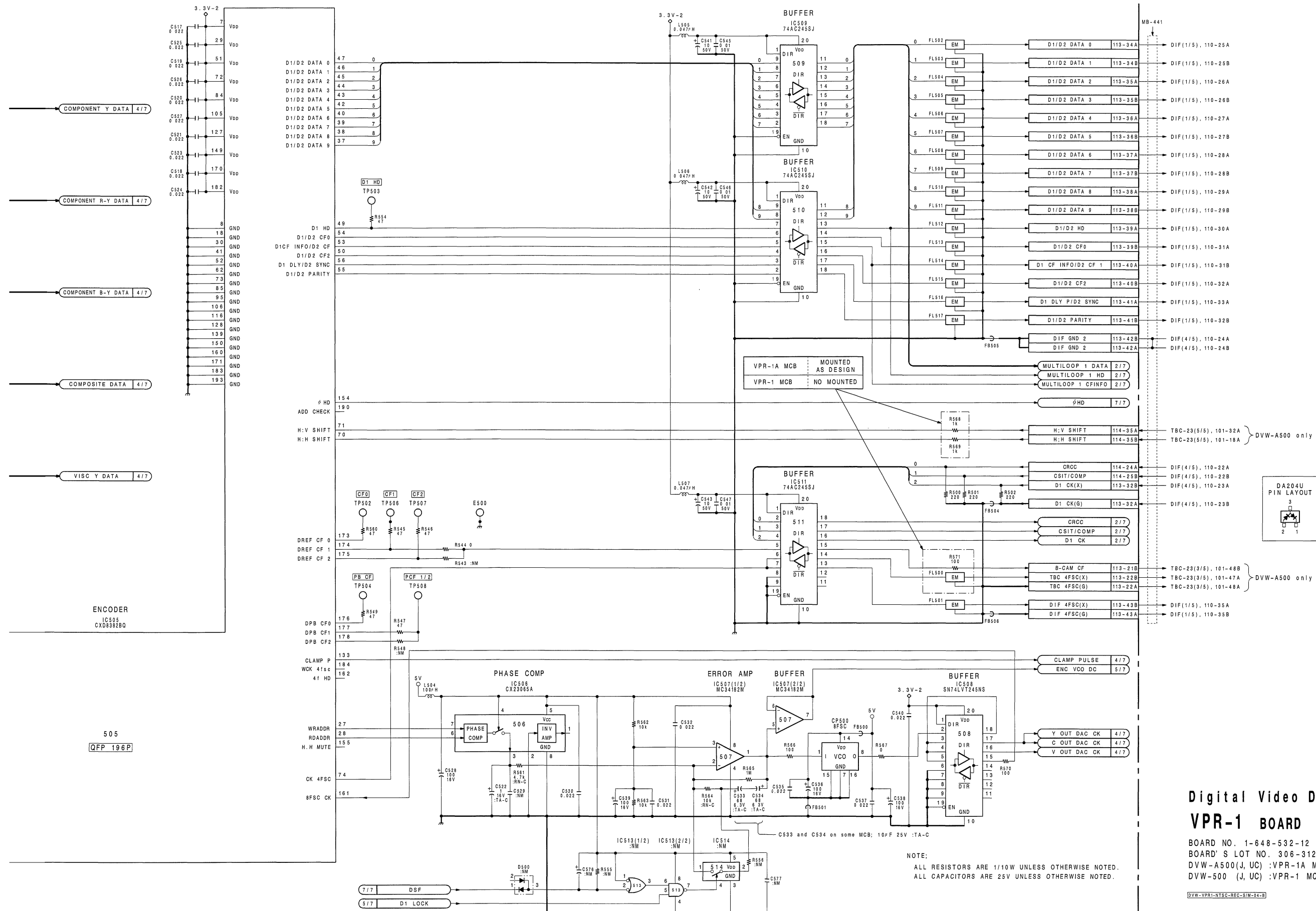


Input Digital Video Data Processor 5 VPR-1 BOARD (2/7)

BOARD NO. 1-648-532-12
BOARD'S LOT NO. 306-312
DVW-A500(J, UC) : VPR-1A MCB
DVW-500 (J, UC) : VPR-1 MCB

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

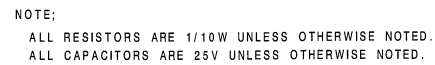
DVW-VPR1-NTSC-REC-S7M-04-B

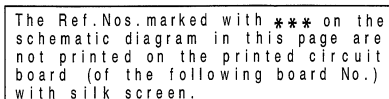


Digital Video Data Encoder VPR-1 BOARD (3/7)

BOARD NO. 1-648-532-12
BOARD'S LOT NO. 306-312
DVW-A500(J, UC) :VPR-1A MCB
DVW-500 (J, UC) :VPR-1 MCB

DVW-VPR1-NYSC-REC-SIM-04-B

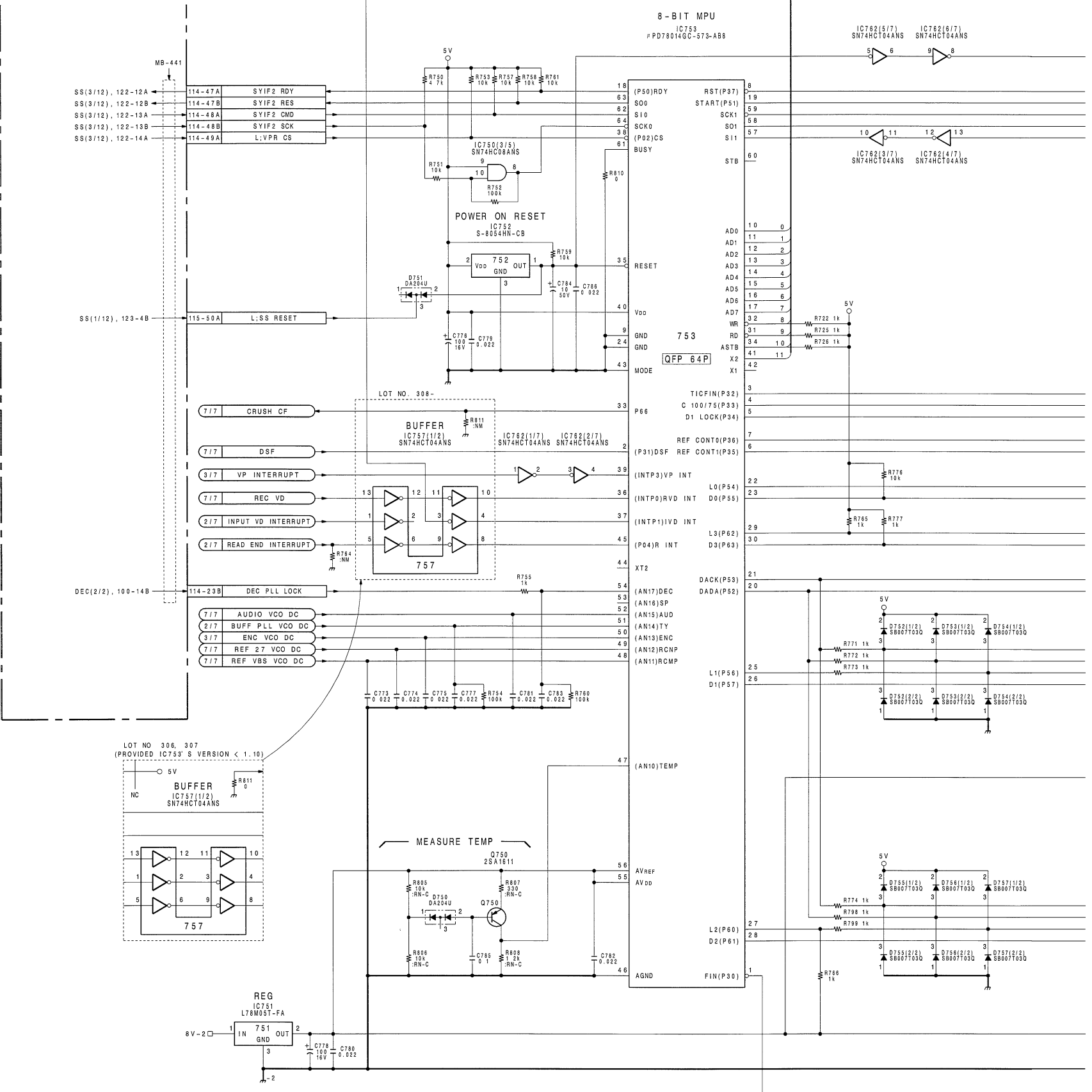
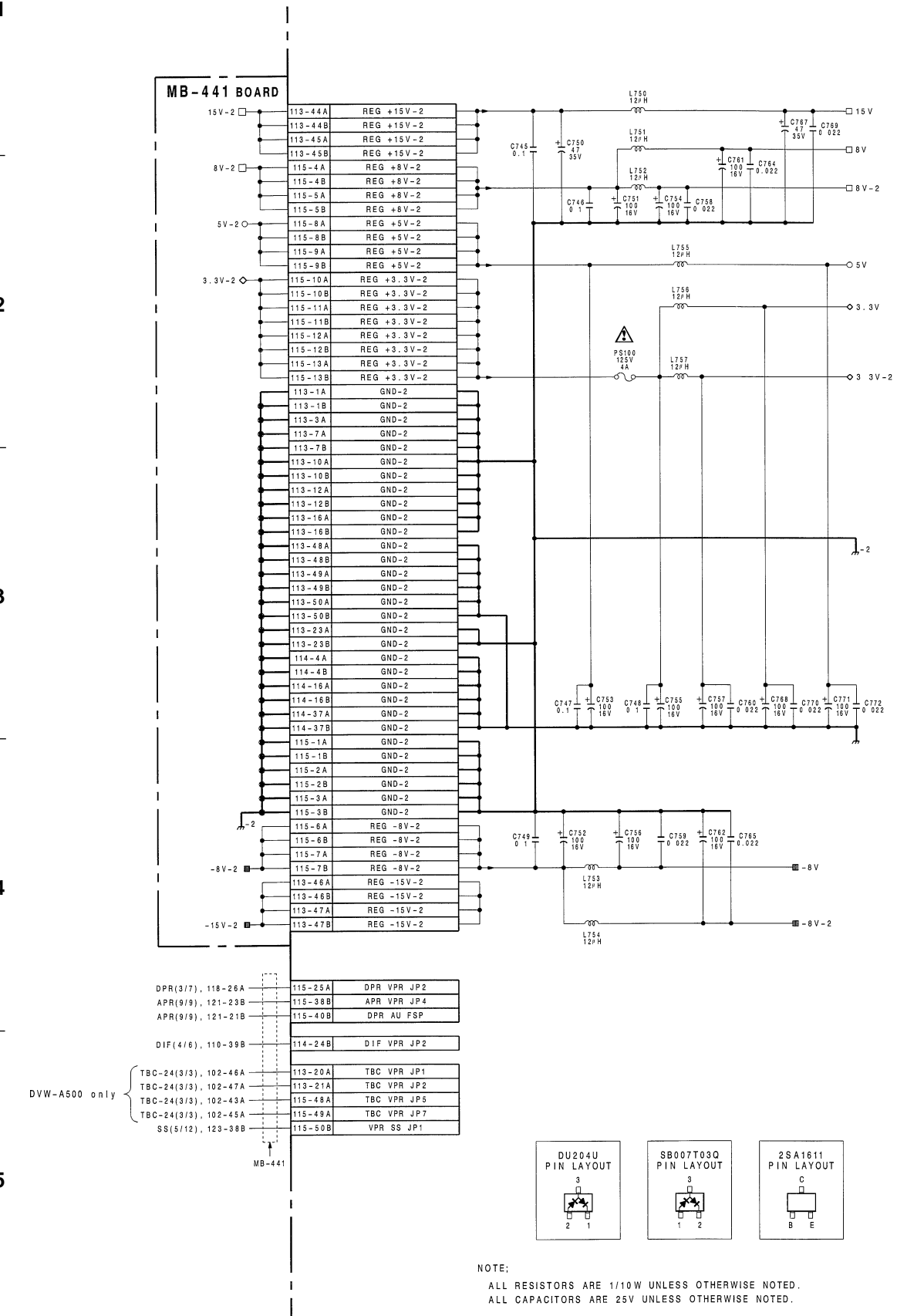


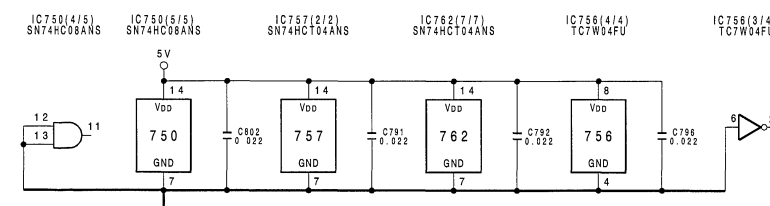
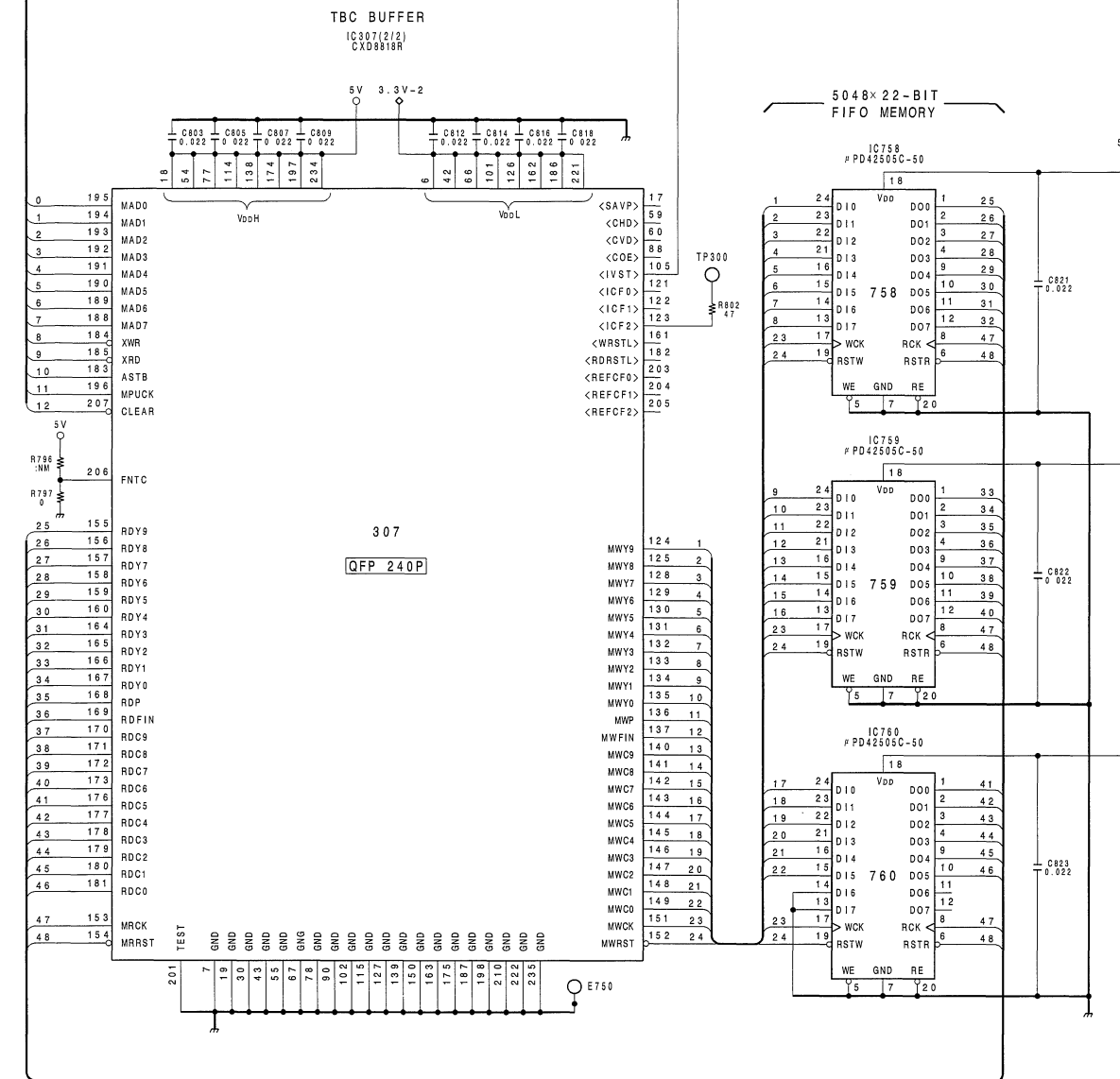
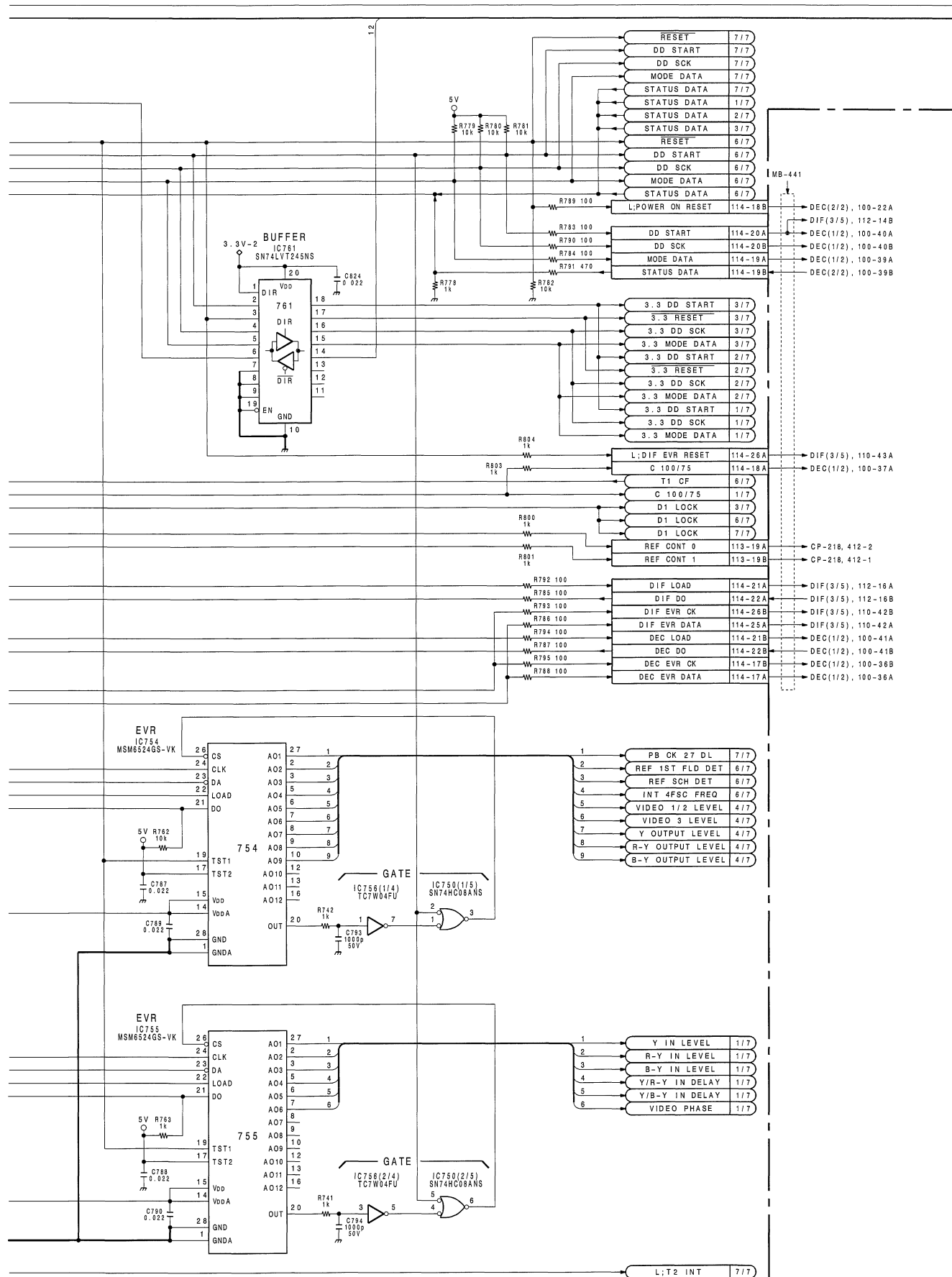


BOARD NO. 1-648-532-12
BOARD' S LOT NO. 306-312
DVW-A500(J, UC) :VPR-1A MCB
DVW-500 (J, UC) :VPR-1 MCB

DVW-VPR1-NTSC-REC-S/M-04-B

1
2
3
4
5





Video Process Control VPR-1 BOARD (5/7)

BOARD NO. 1-648-532-12
BOARD' S LOT NO. 306-312
DVW-A500(J, UC) :VPR-1A MCB
DVW-500 (J, UC) :VPR-1 MCB

(DVW-VPR1-NTSC-REC-SIW-04-B)

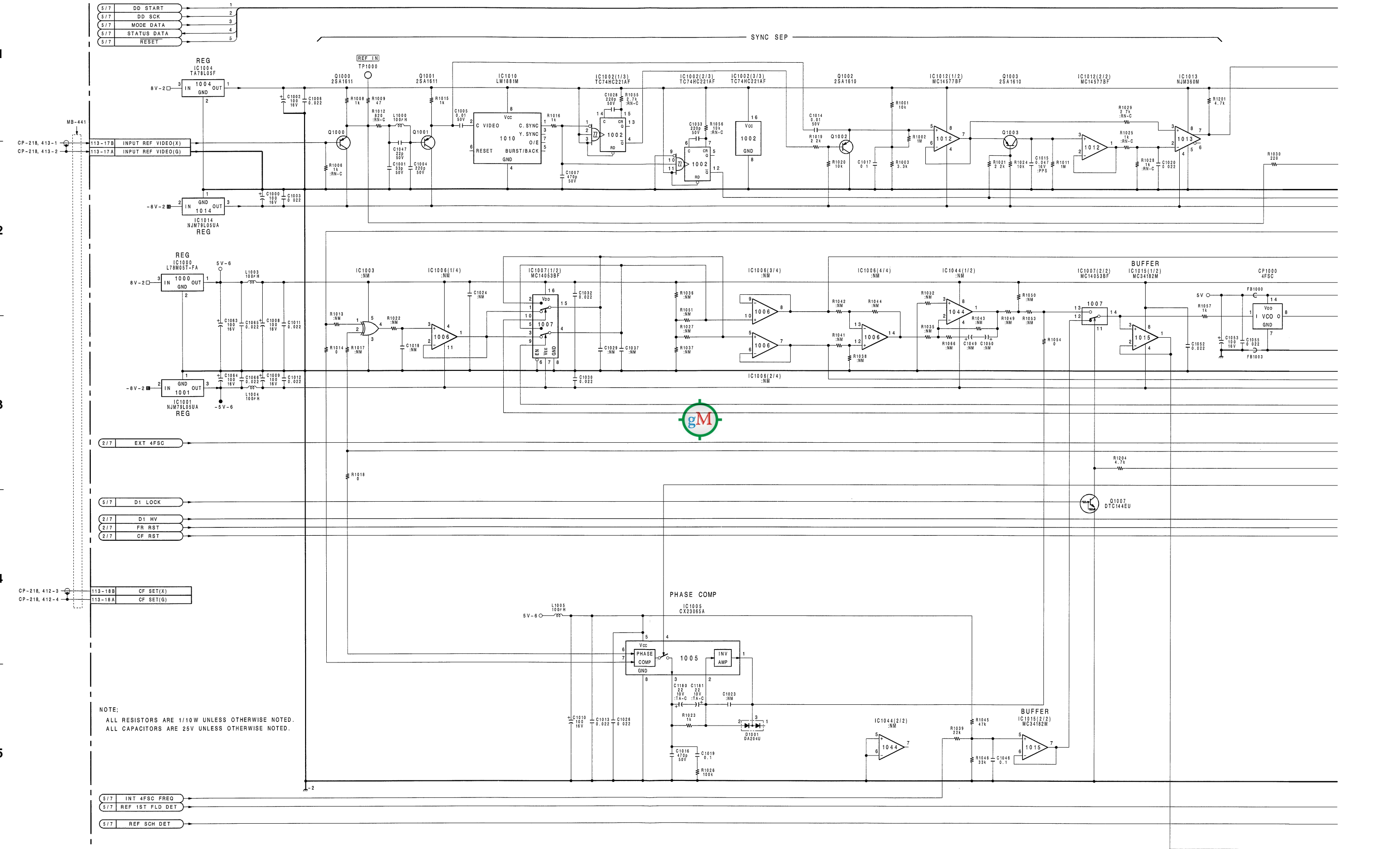
1

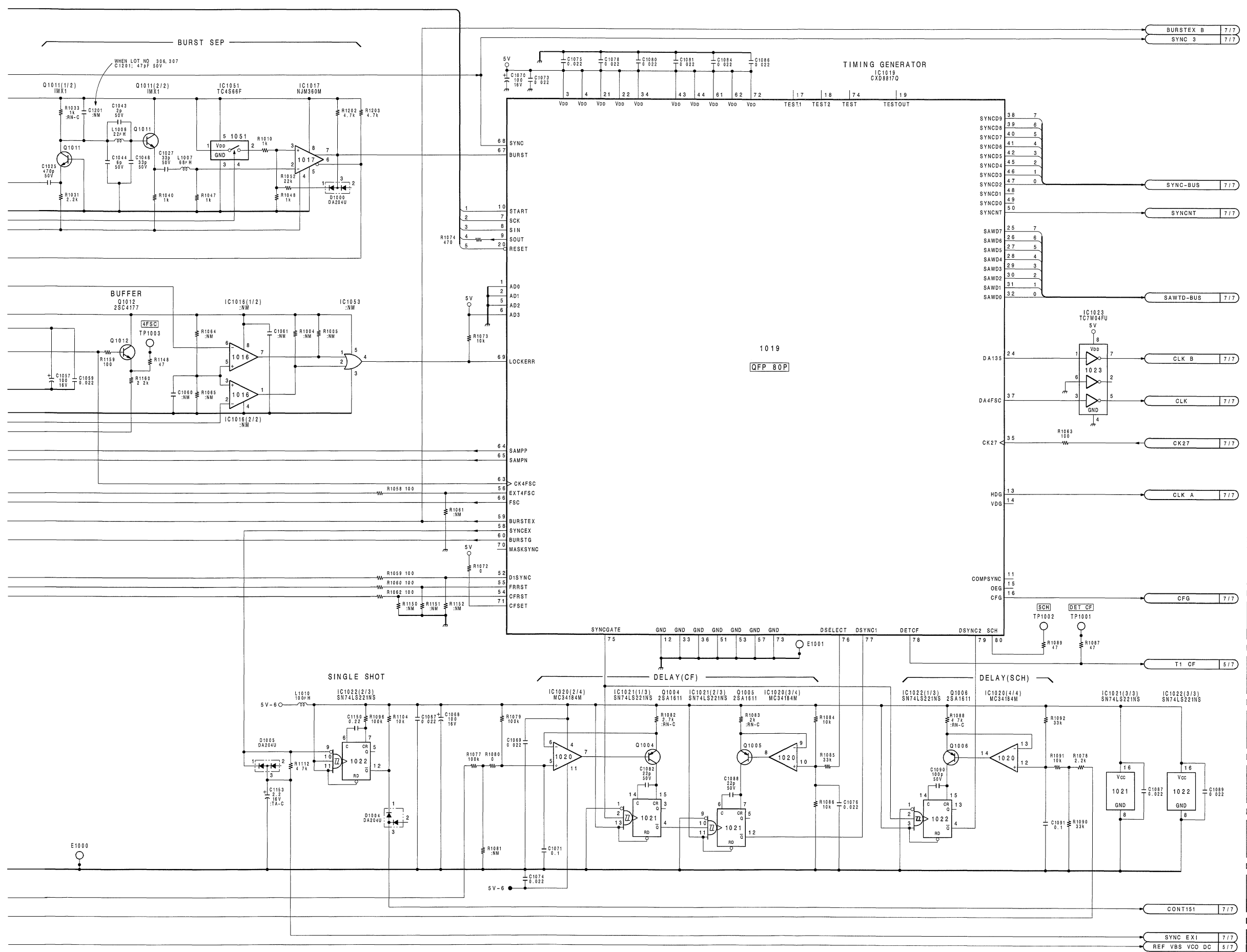
2

3

4

5

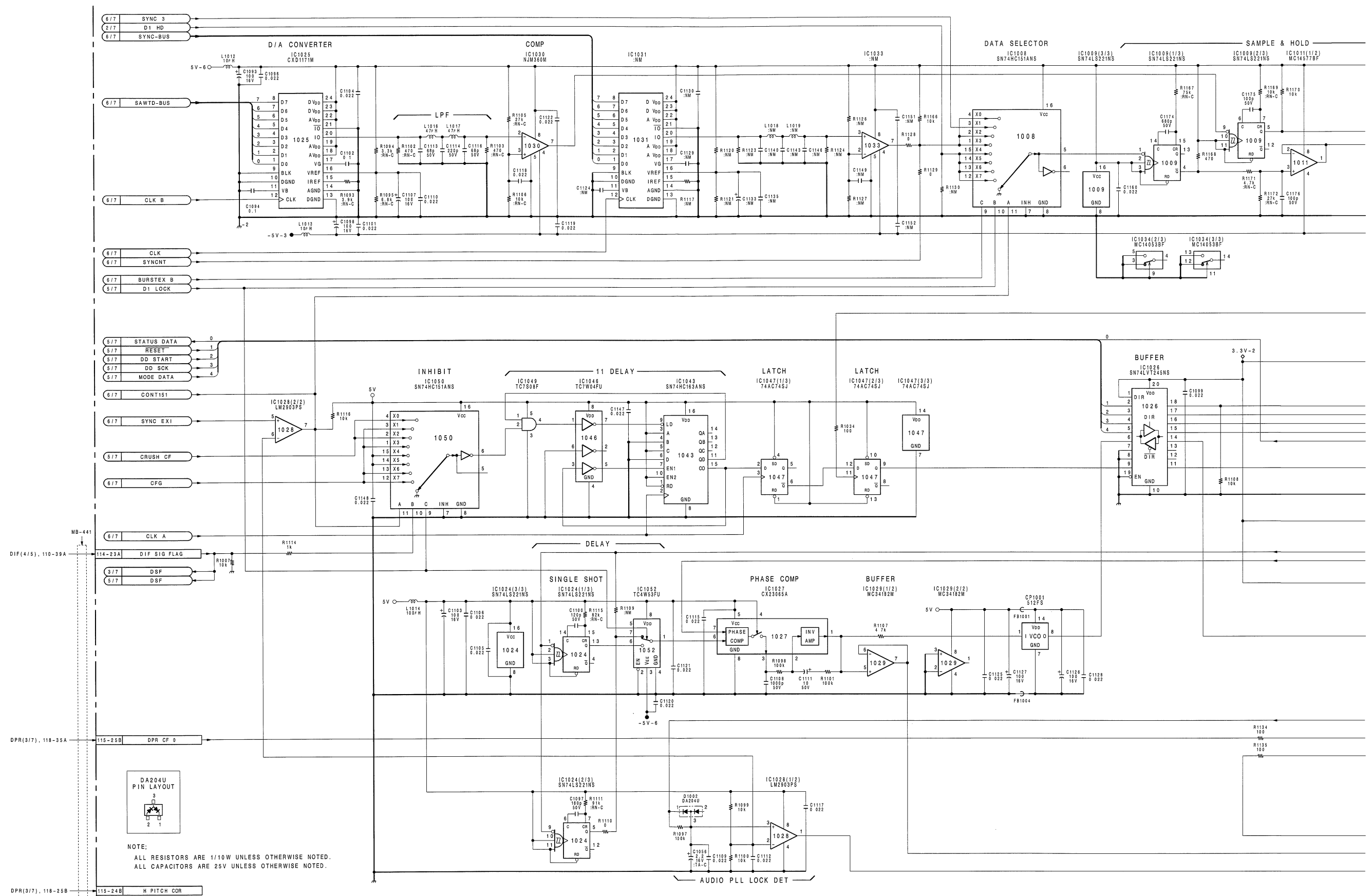




Time Ref Signal(1)
VPR-1 BOARD (6/7)

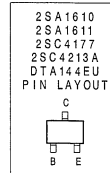
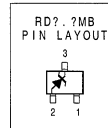
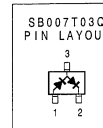
BOARD NO. 1-648-532-12
BOARD'S LOT NO. 306-312
DVW-A500(J, UC) :VPR-1A MCB
DVW-500 (J, UC) :VPR-1 MCB

DVW-VPR1-NTSC-REC-S/M-04-3





NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

VPR-1 BOARD: 1-648-532-11

1

2

3

4

5

A

B

C

1-6 (a)

D

1-6 (a)

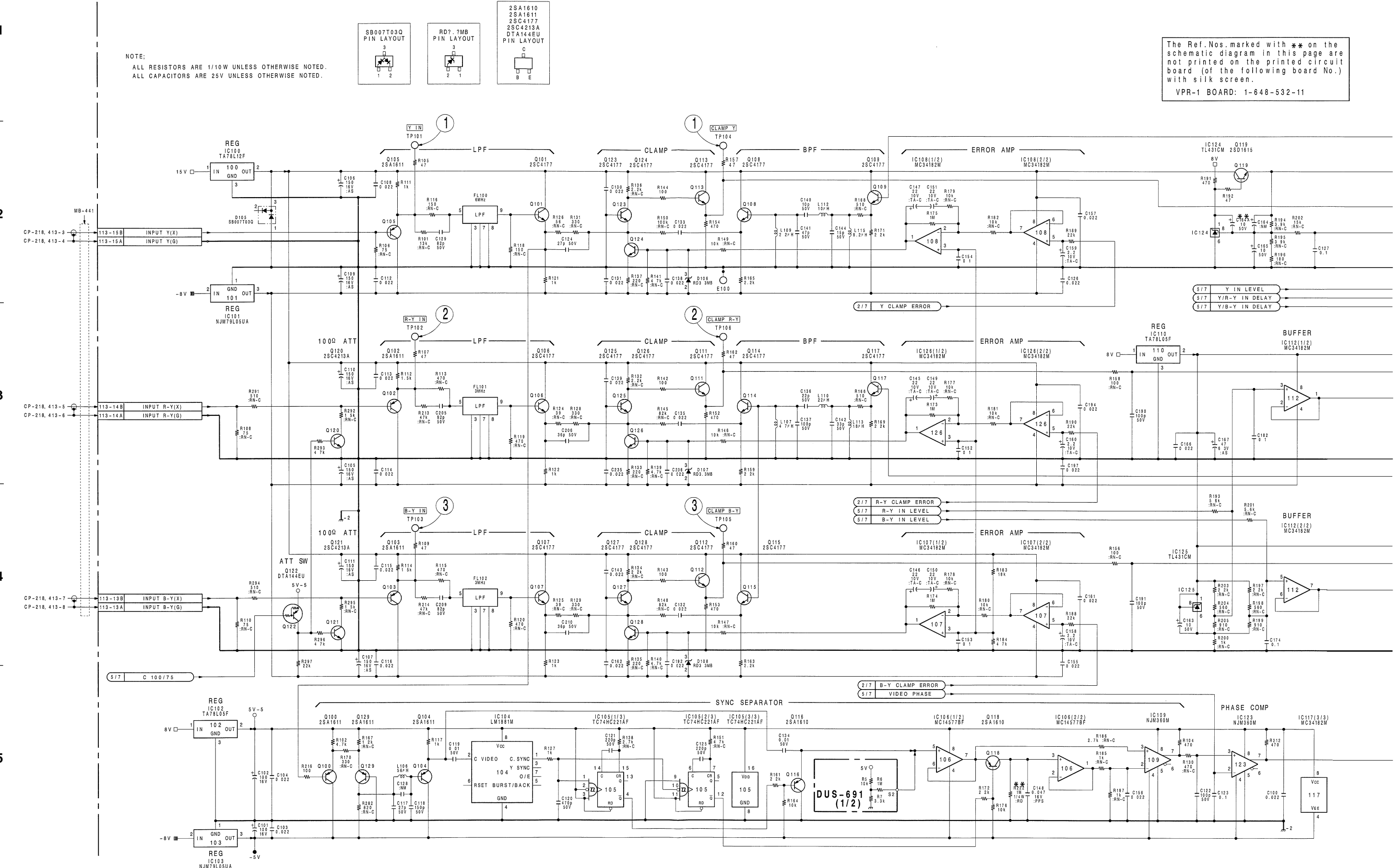
E

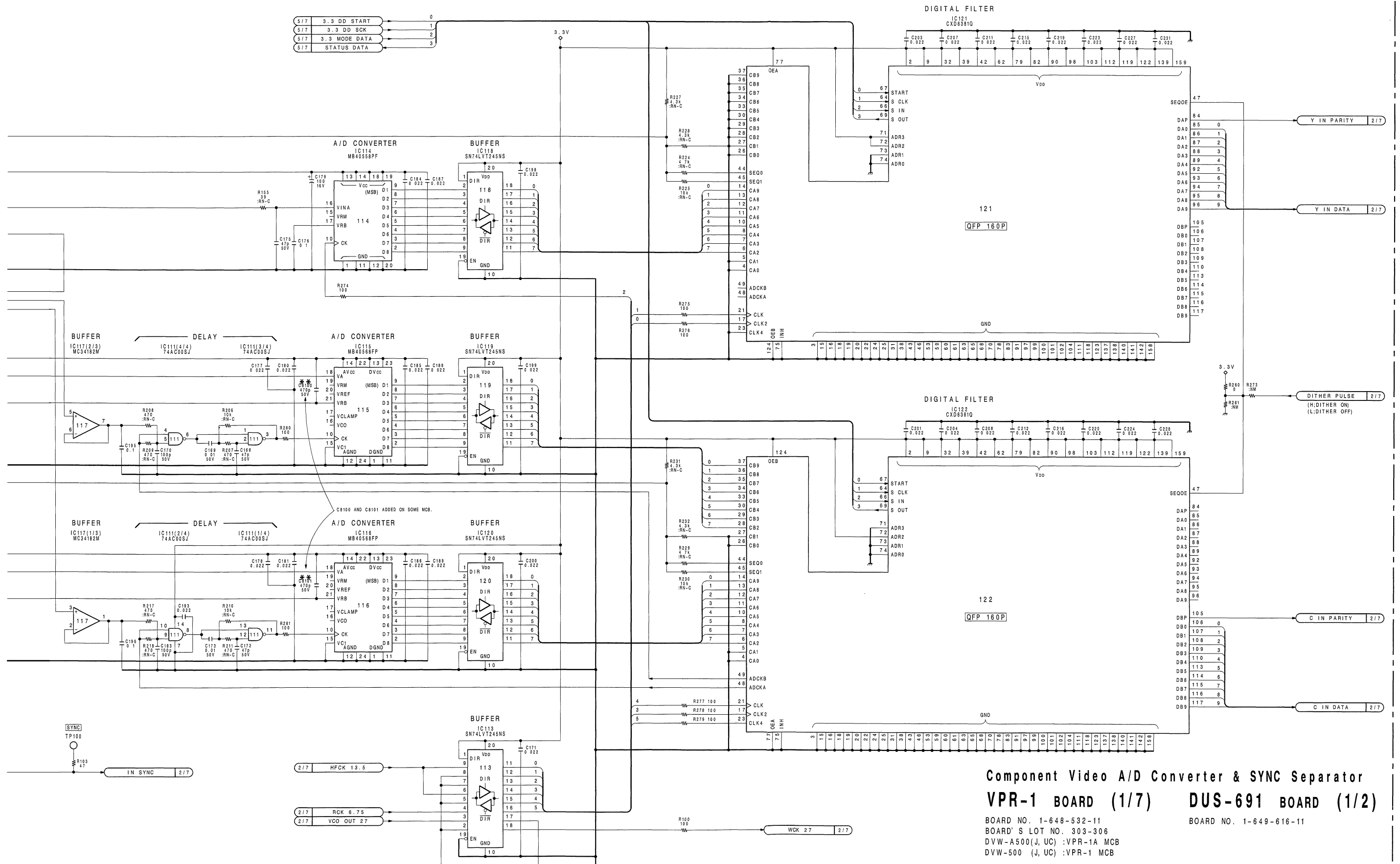
F

G

H

DVW-A500/500





1-7 (a)

1-7 (a)

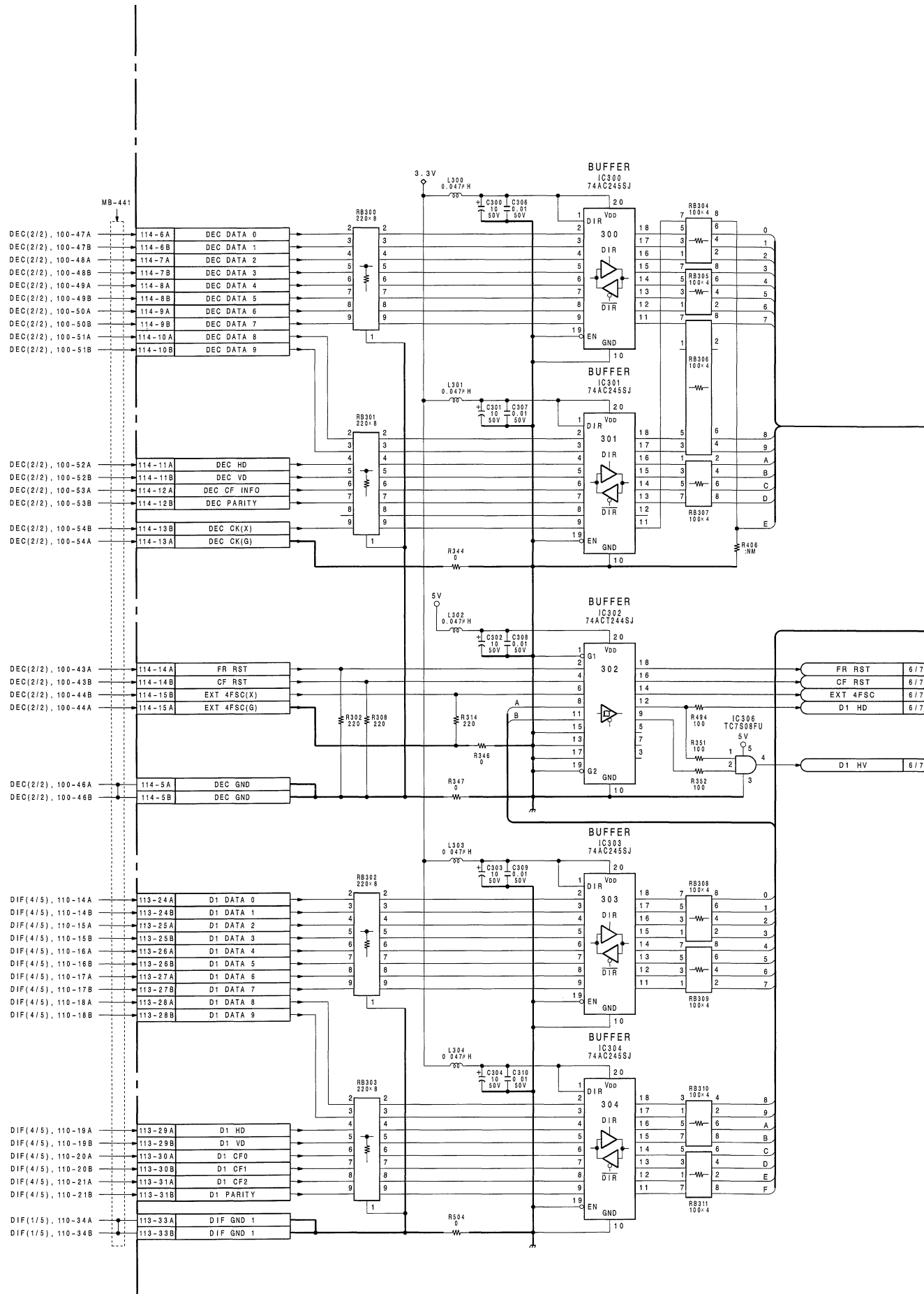
1

2

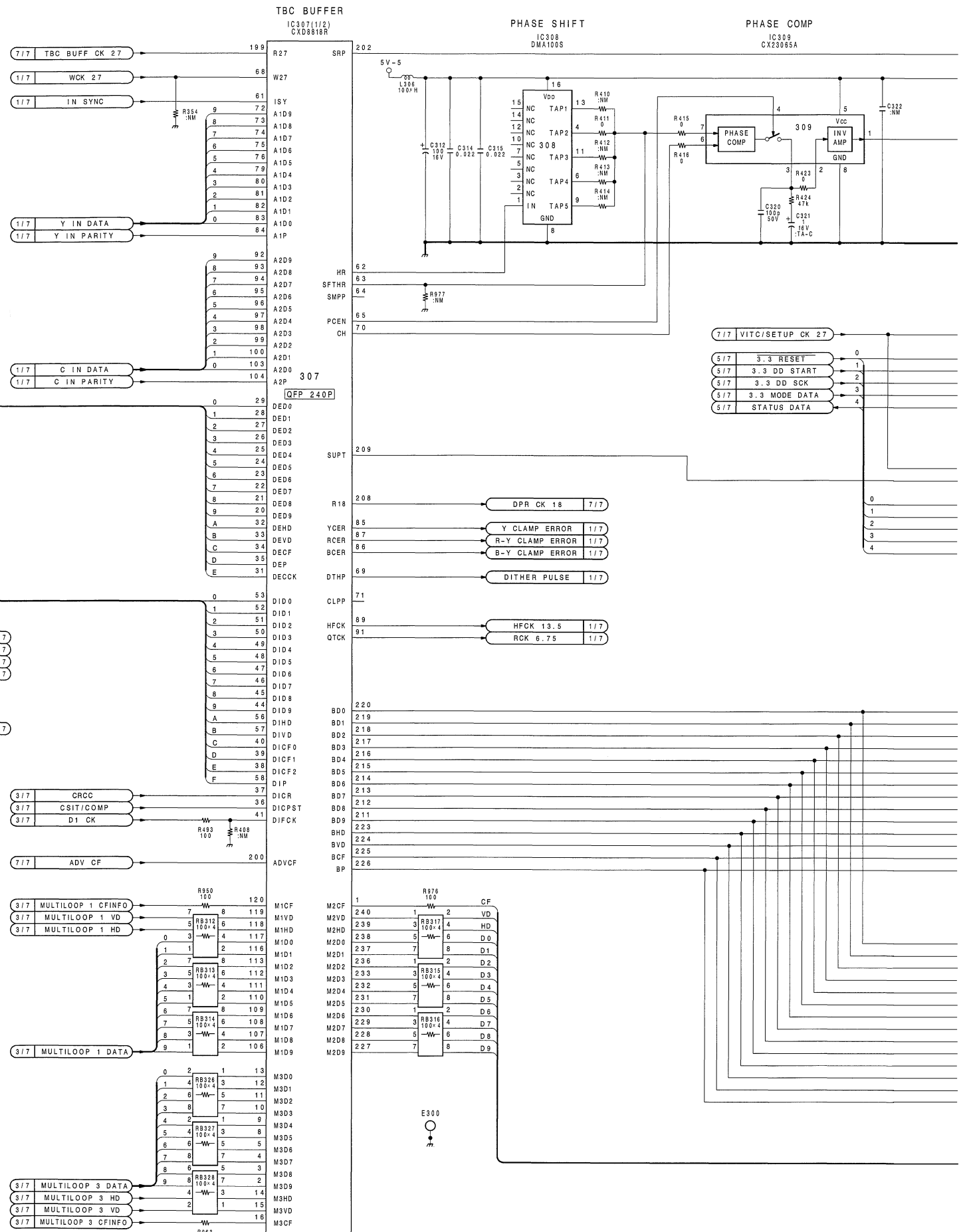
3

4

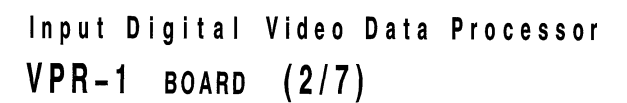
5



1-8 (a)



1-8 (a)



DVW-VPR1-NTSC-REC-S/M-04-A

NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

1

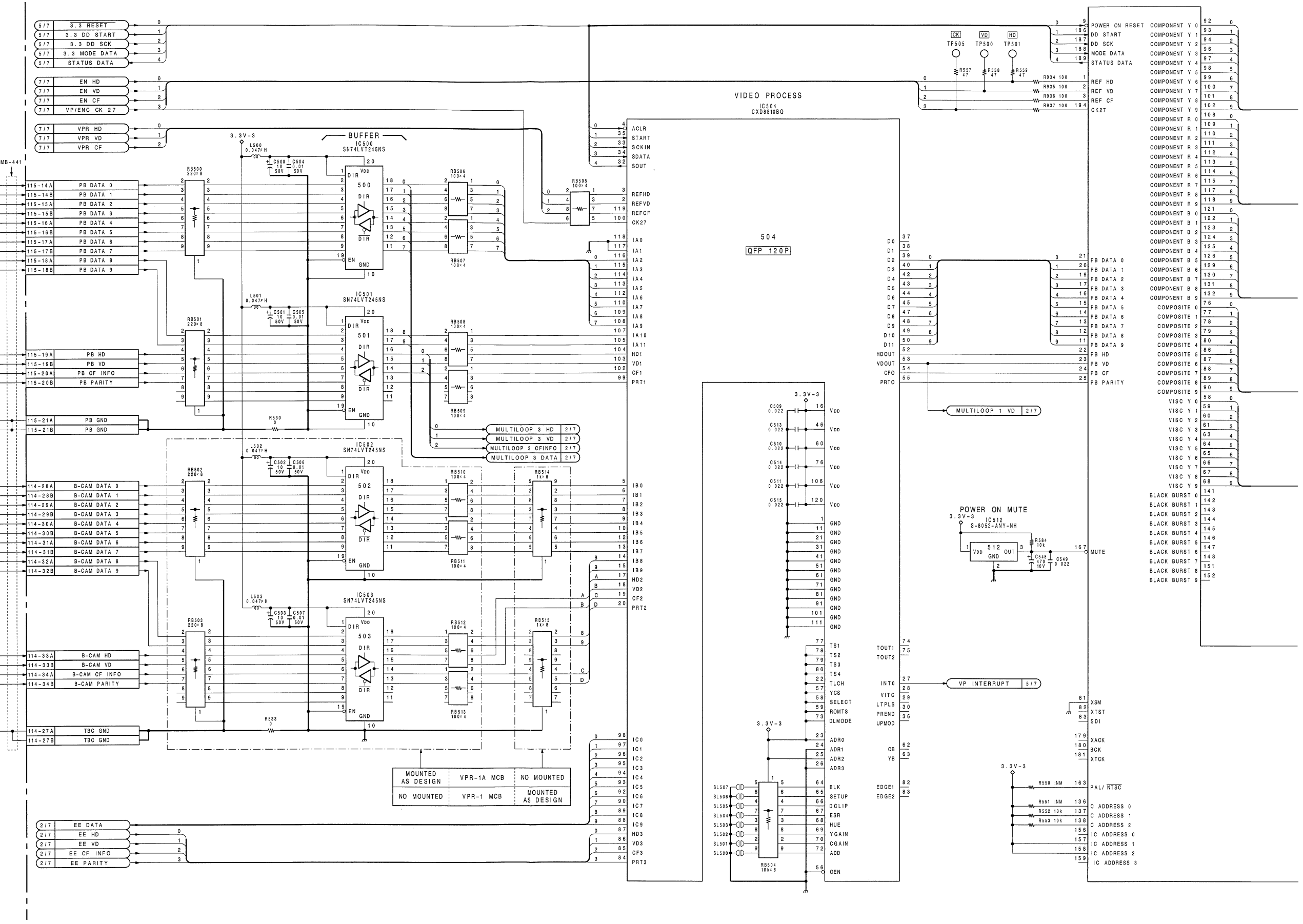
2

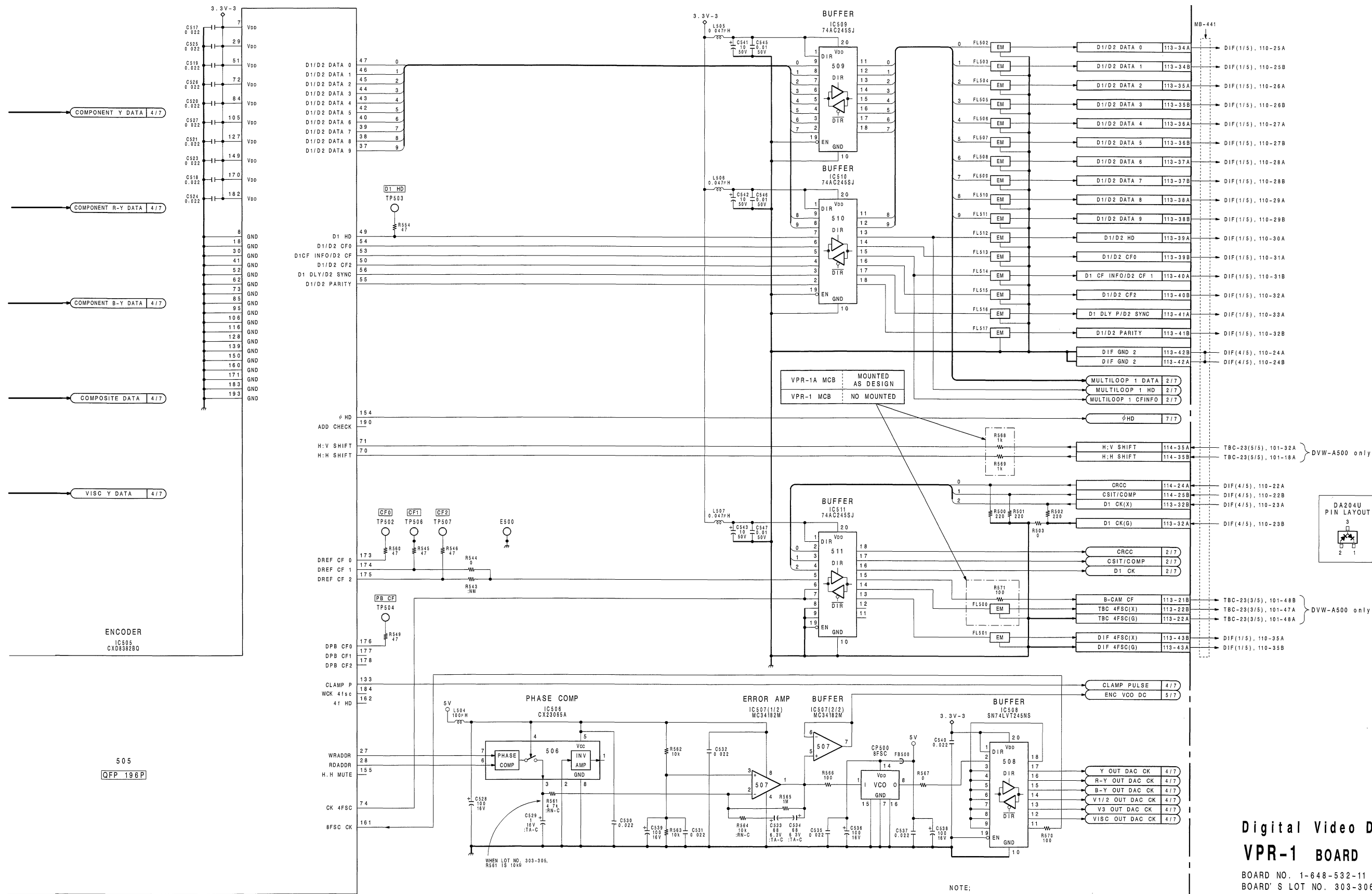
3

4

5

DVW-A500 only





Digital Video Data Encoder VPR-1 BOARD (3/7)

BOARD NO. 1-648-532-11
BOARD'S LOT NO. 303-306
DVW-A500(J, UC) : VPR-1A MCB
DVW-500 (J, UC) : VPR-1 MCB

DVW-VPR1-NTSC-REC-SIM-04-1

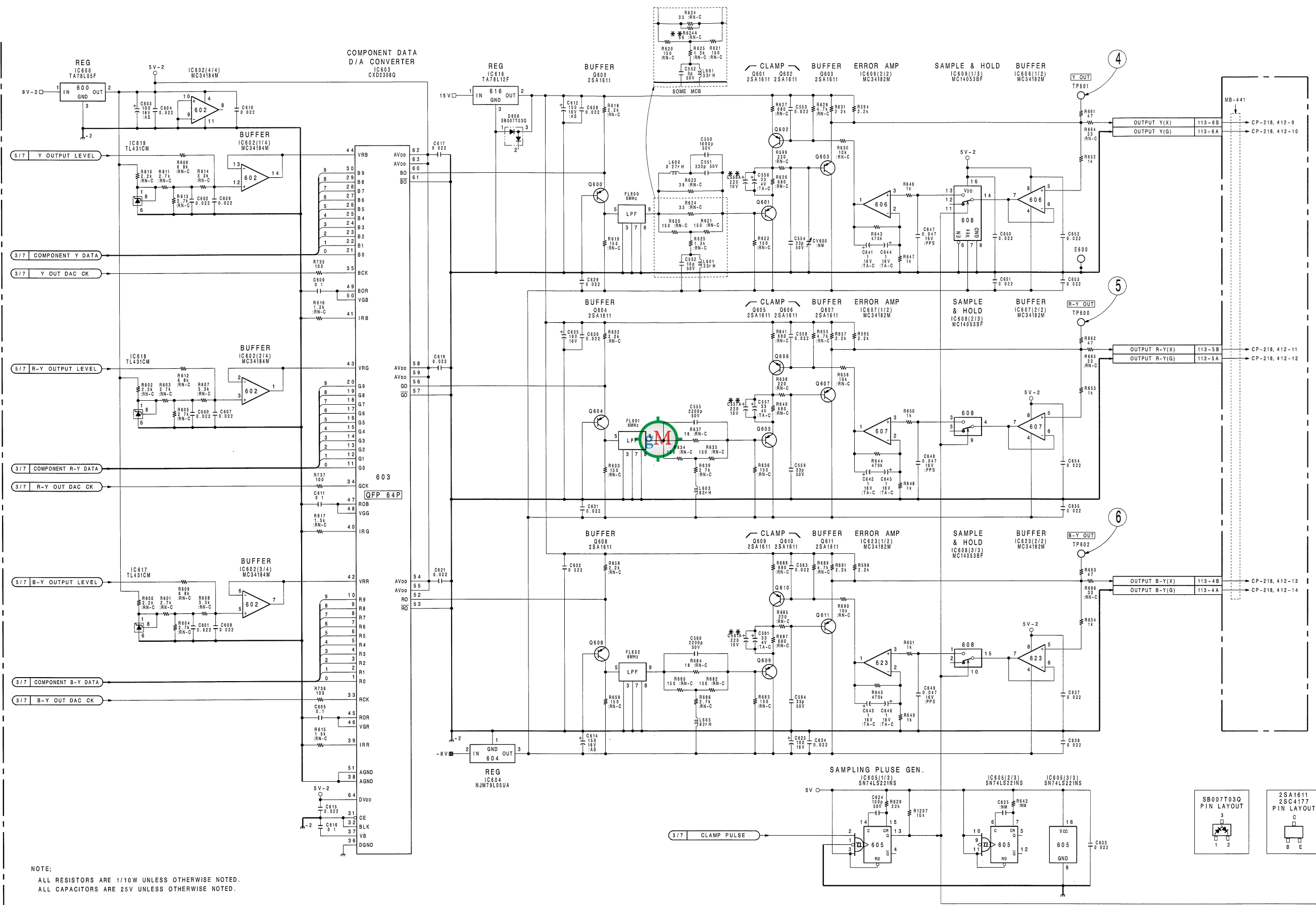
1

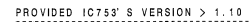
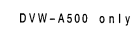
2

3

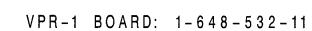
4

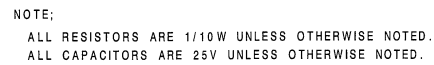
5





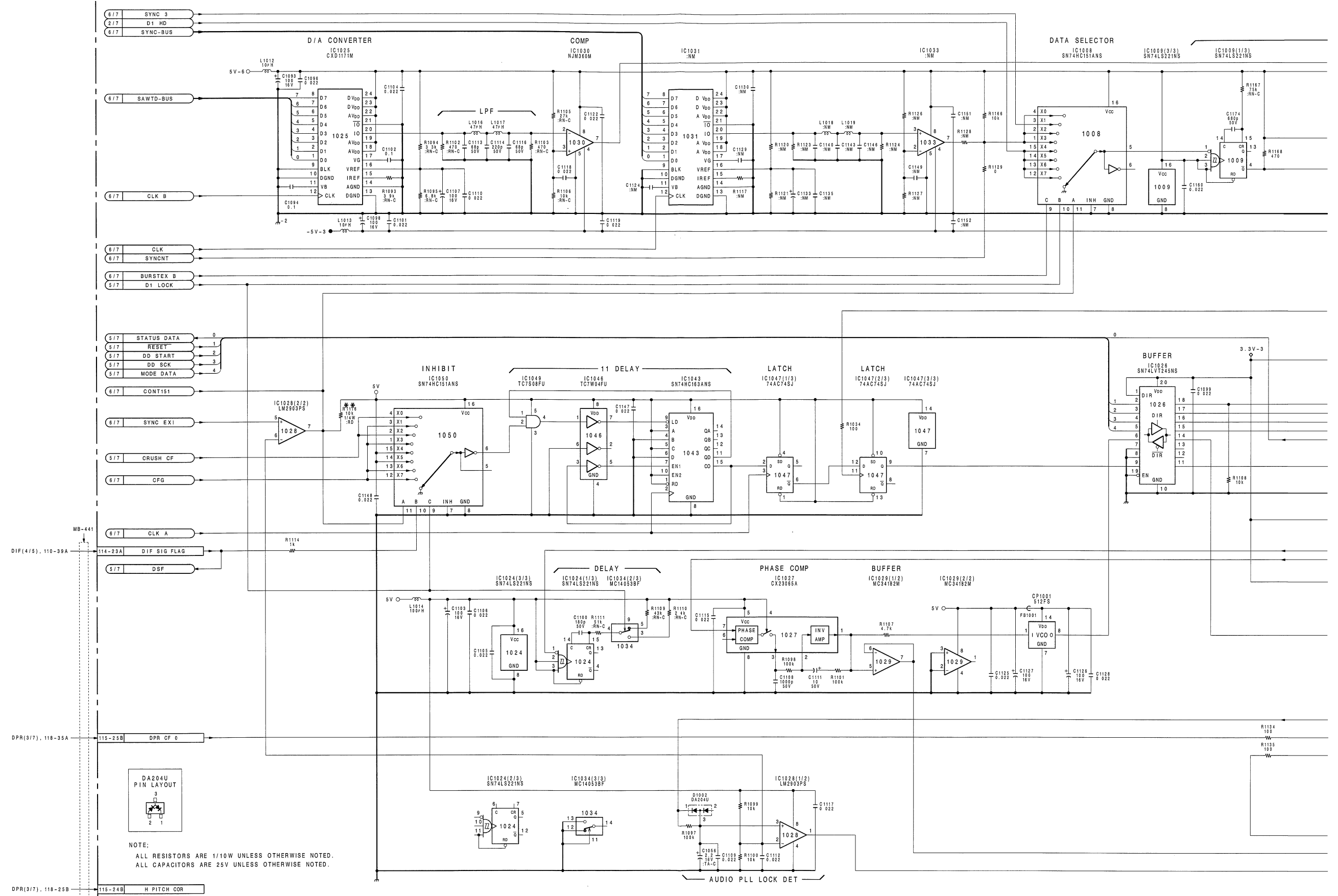
NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

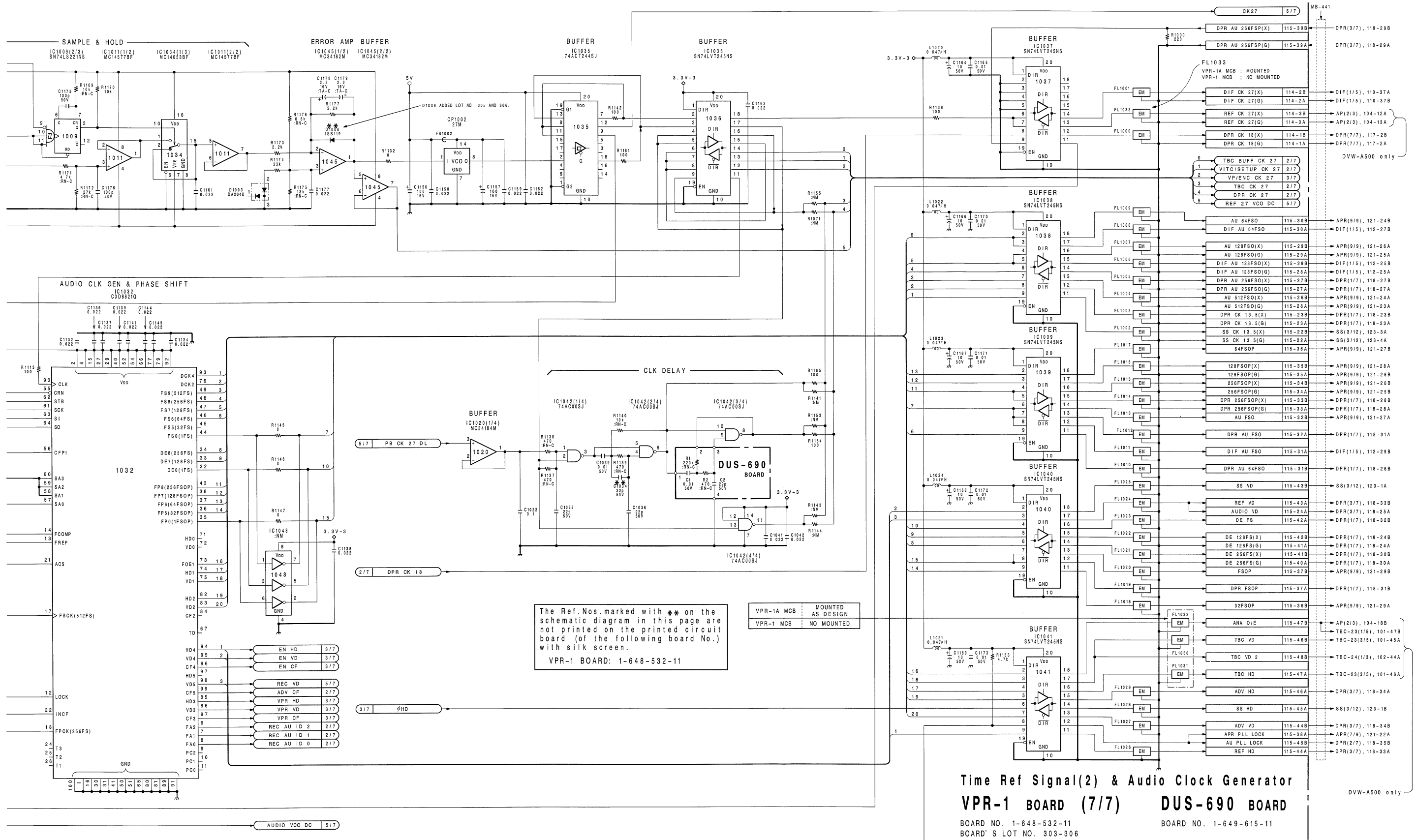


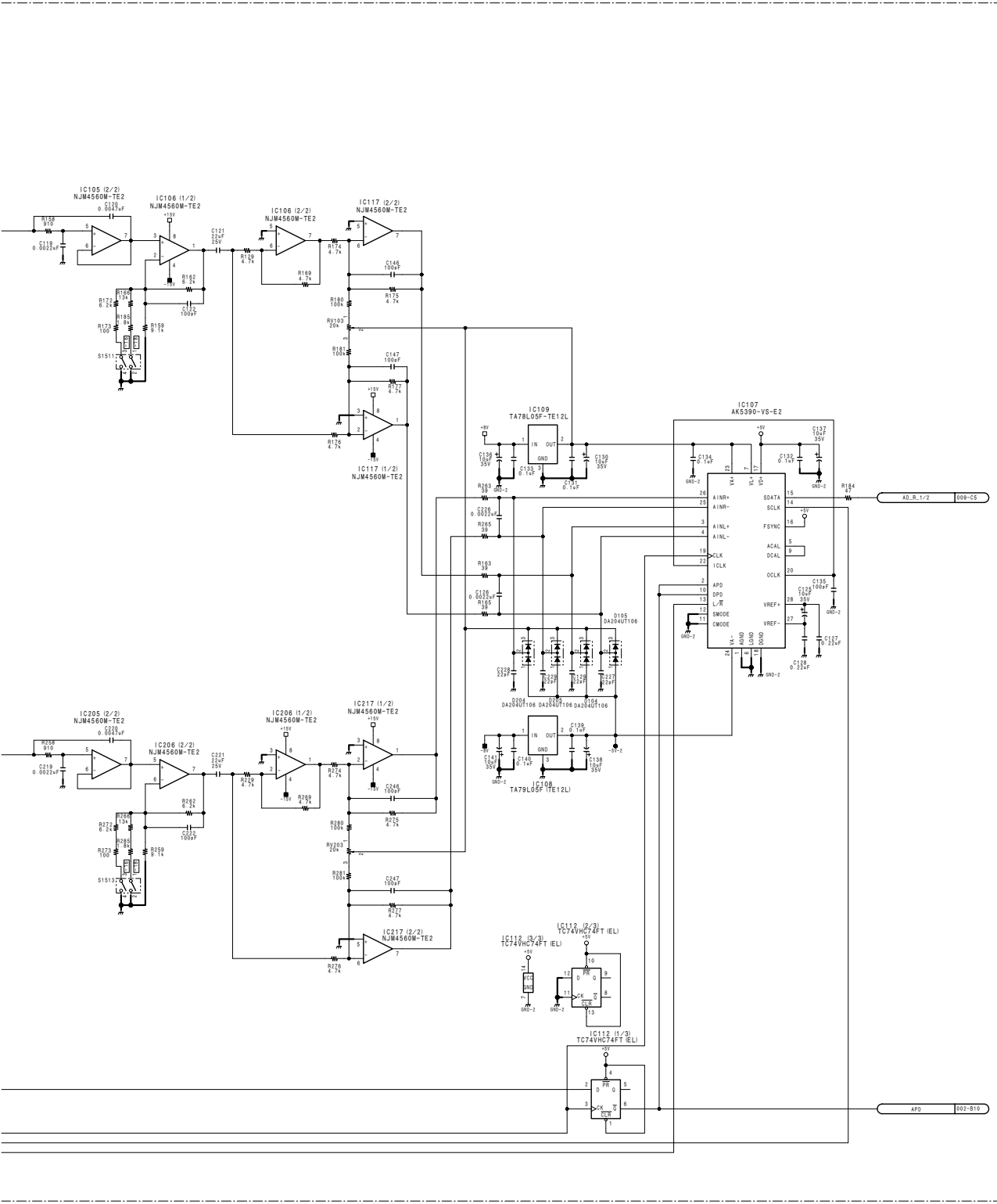


1-16 (a)





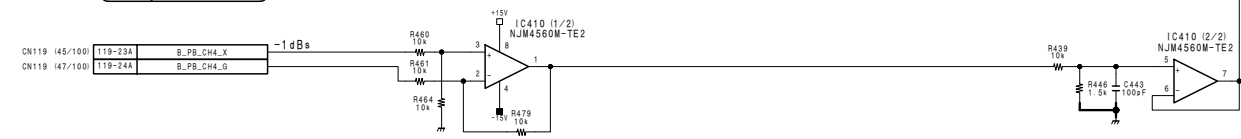
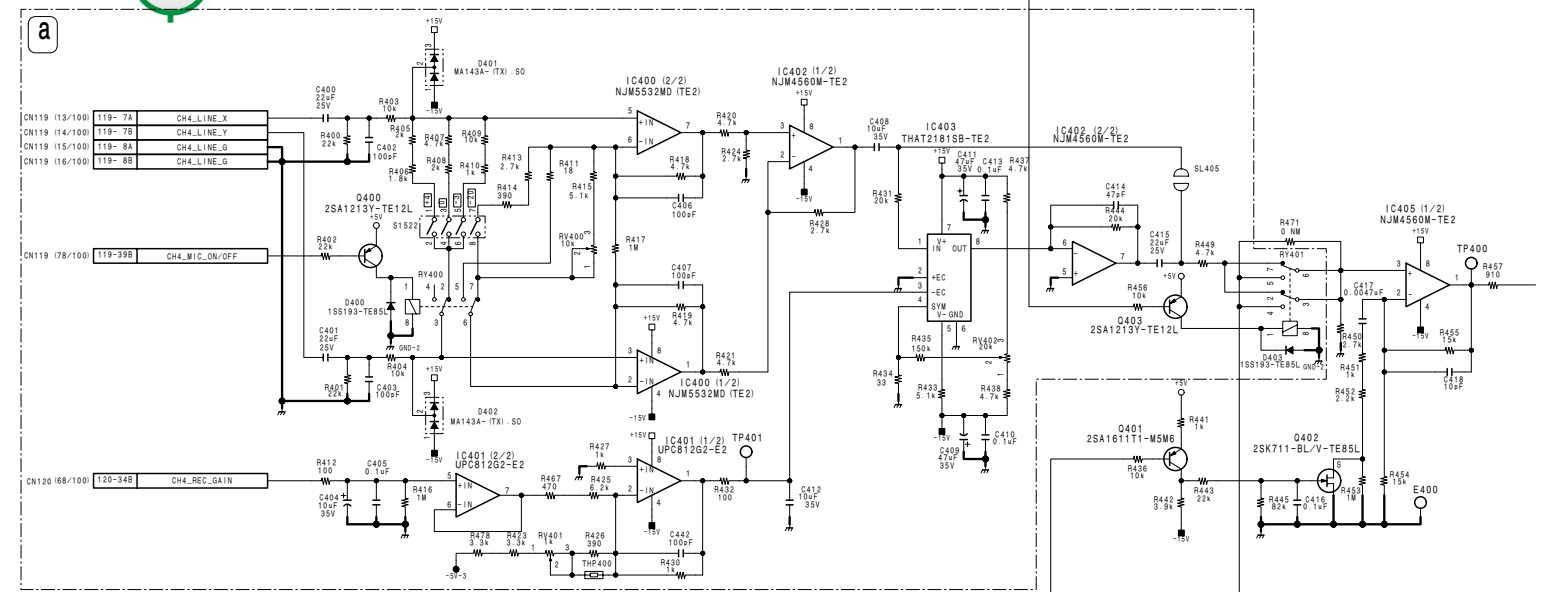
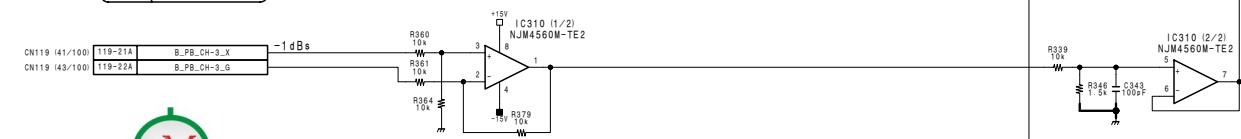
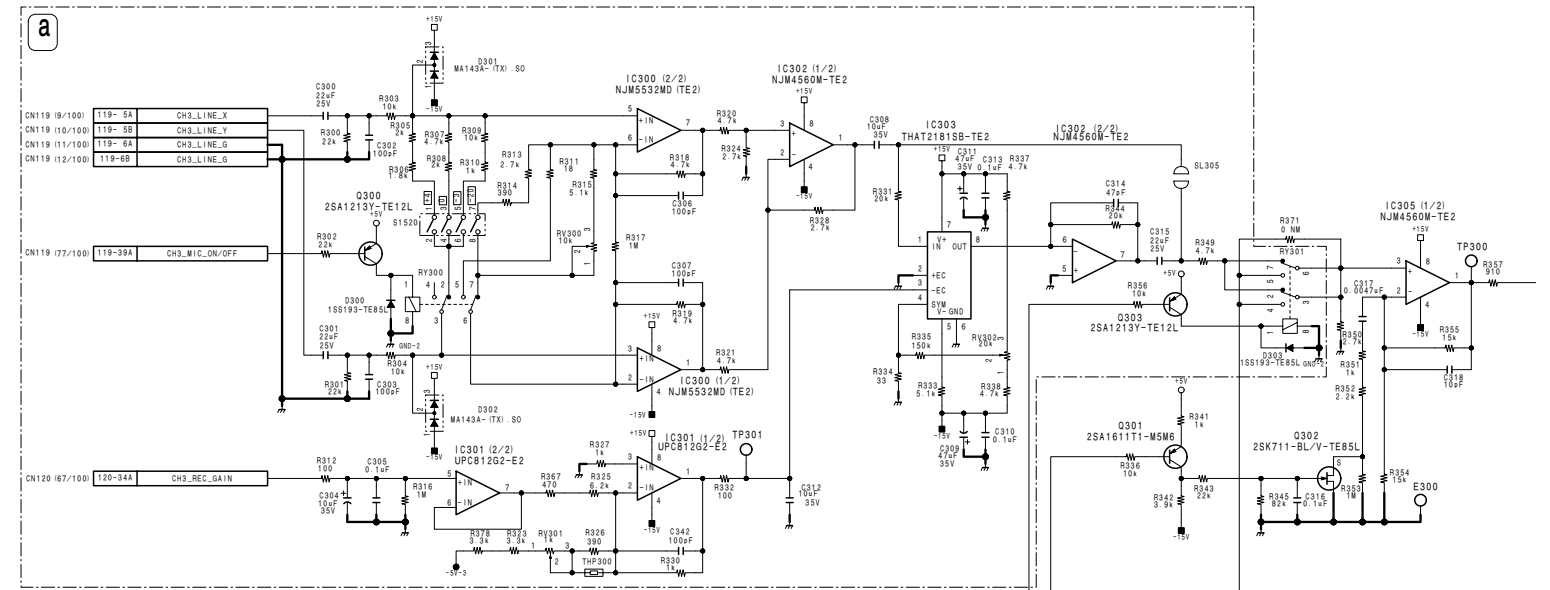




CH-1/CH-2 A/D Convert
APR-1 BOARD (1/9)

BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910-
DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-A500_APR-1_016_1

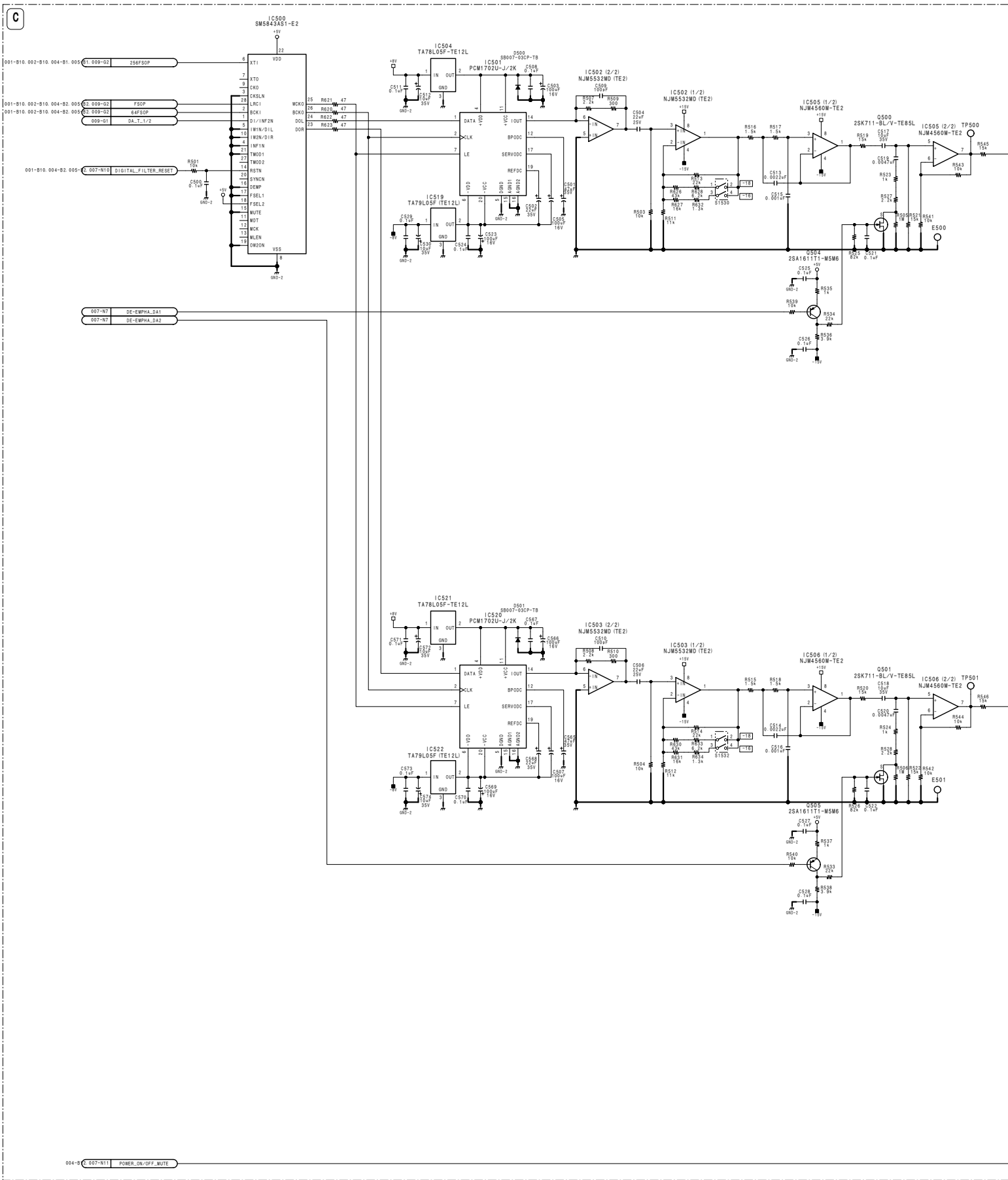
b c



001-B10	003-B1	004-B1	005-B1	009-02	356F80P
				001-PT0	1P0
001-B10	003-B2	004-B2	005-B2	009-02	F80P
001-B10	003-B2	004-B2	005-B2	009-02	64F80P

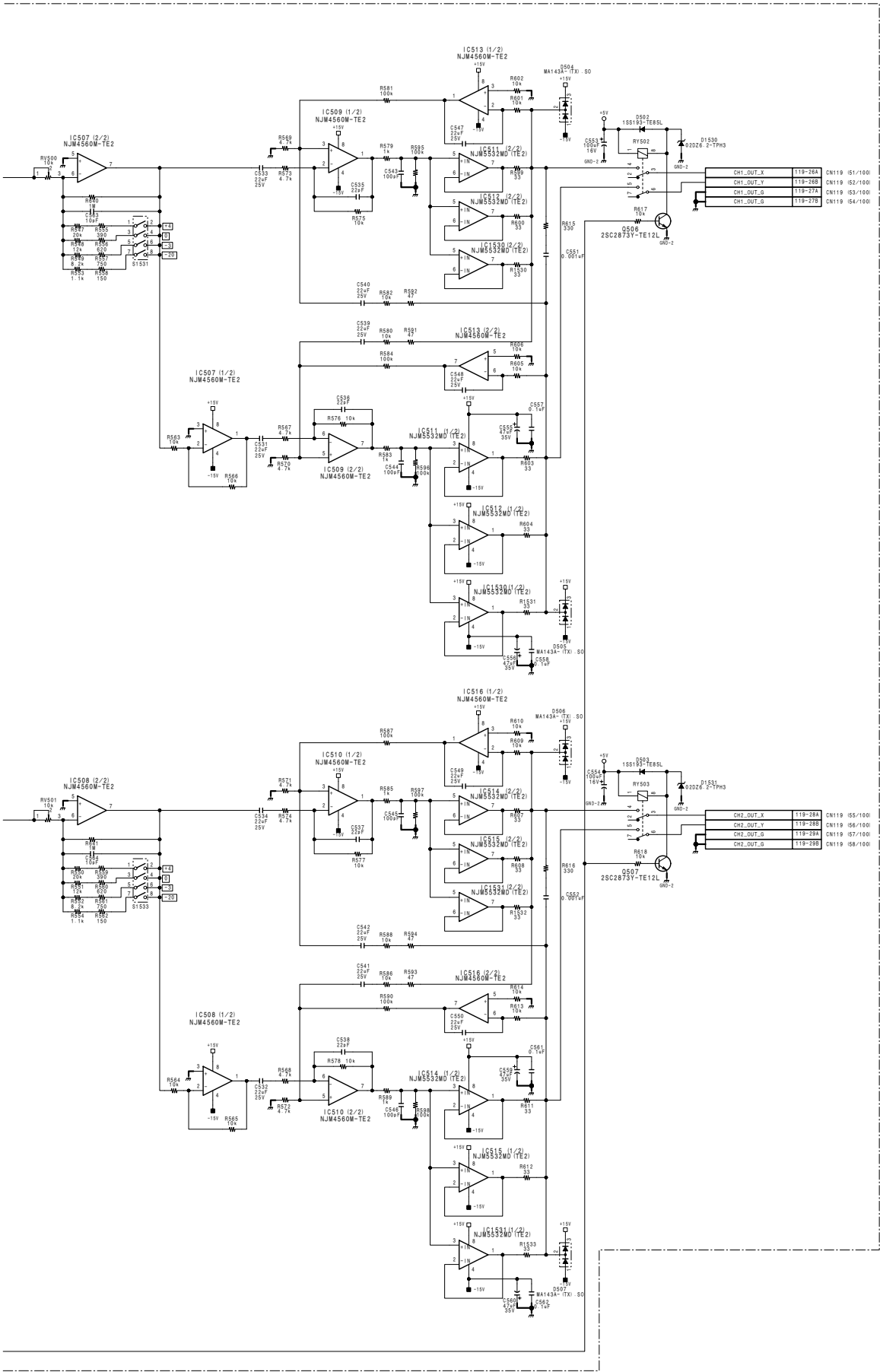


BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910-
DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-A500_APR-1_016_2



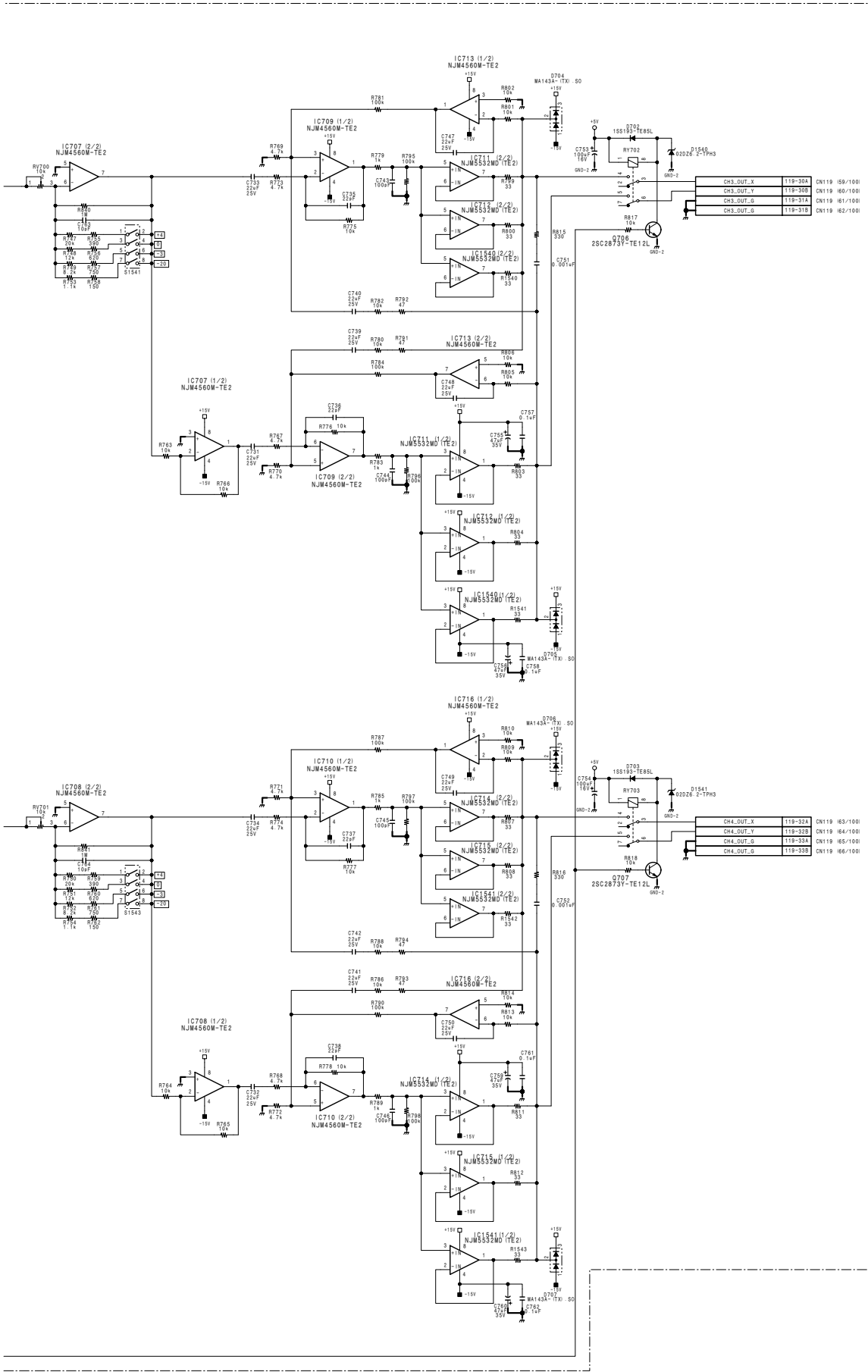
1-24 (b)

1-24 (b)



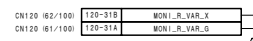
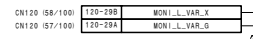
CH-1/CH-2 D/A Convert & Output Drive
APR-1 BOARD (3/9)

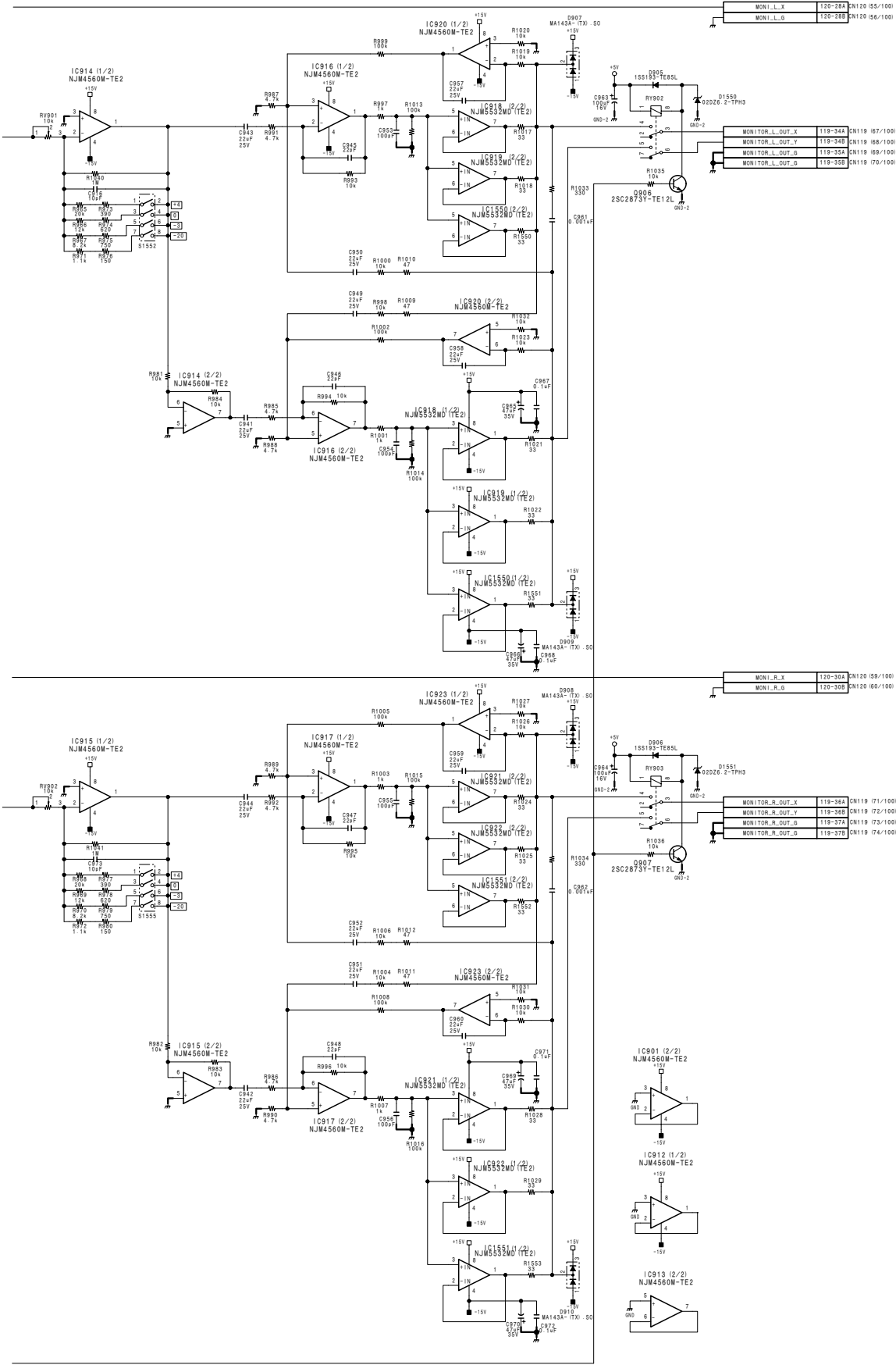
BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910-
DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-A500_APR-1_016_3

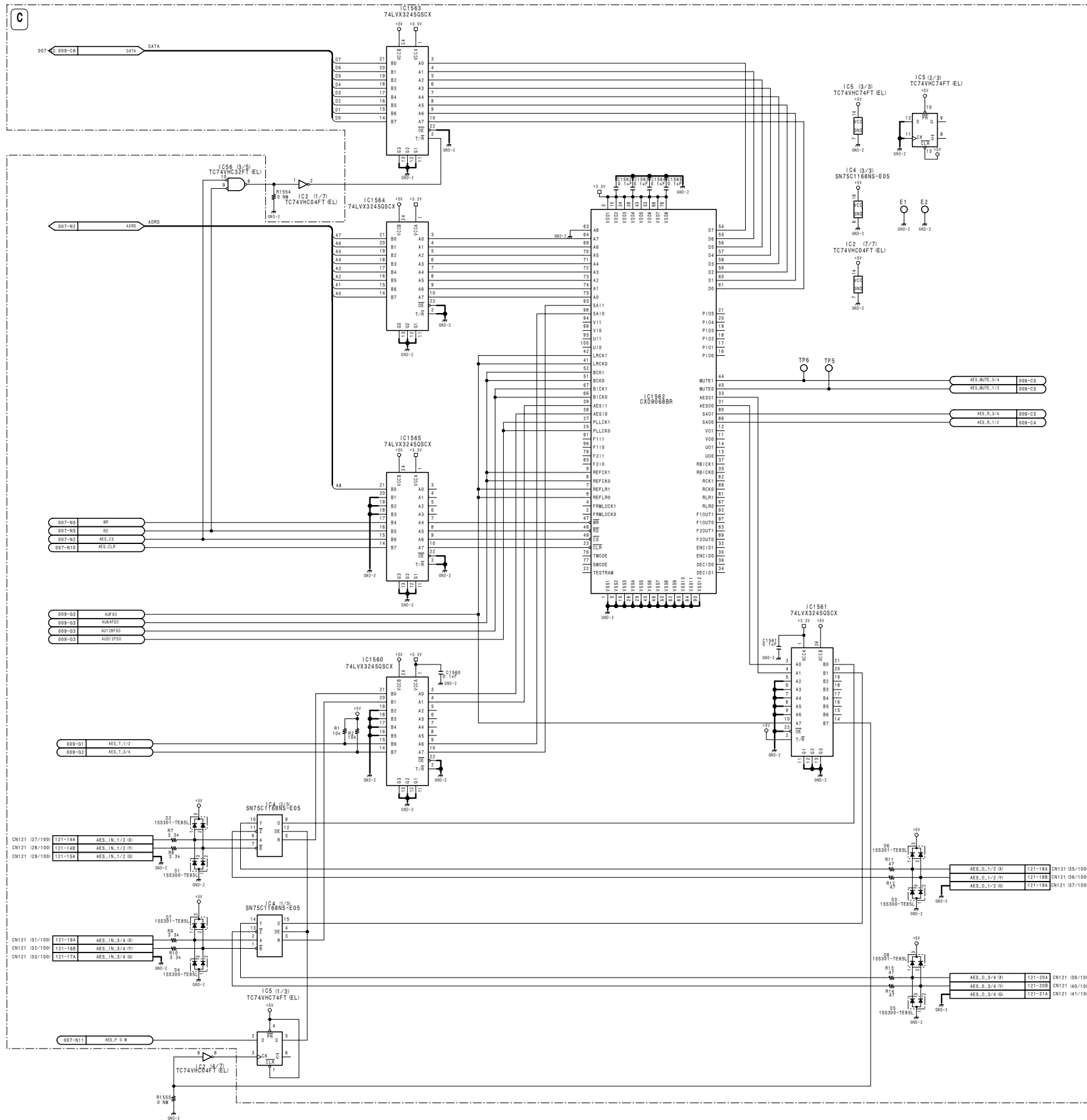


CH-3/CH-4 D/A Convert & Output Drive
APR-1 BOARD (4/9)

BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910-
DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-A500_APR-1_016.4







AES Encode/Decode
APR-1 BOARD (6/9)

BOARD NO. 1-648-534-16

BOARD'S LOT NO. 910-

DVW-A500 (J, UC) : APR-1 MCB

DVW-A500P (EK) : APR-1 MCB

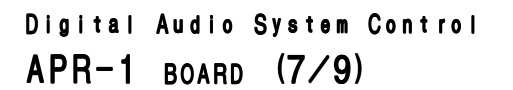
DVW-A500P (UC) : APR-1 MCB

DVW-500 (J, UC) : APR-1 MCB

DVW-500P (EK) : APR-1 MCB

DVW-500P (UC) : APR-1 MCB

DVW-A500_APR-1_016_6



DVW-A500/500

1-31 (b)

1-31 (b)

A

B

C

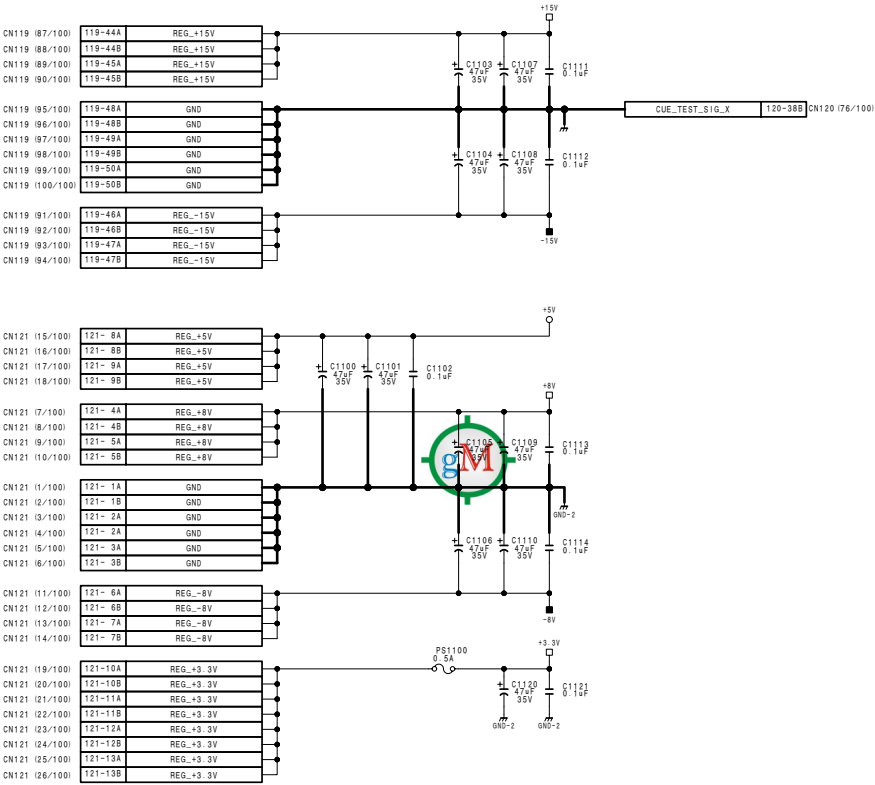
D

E

F

G

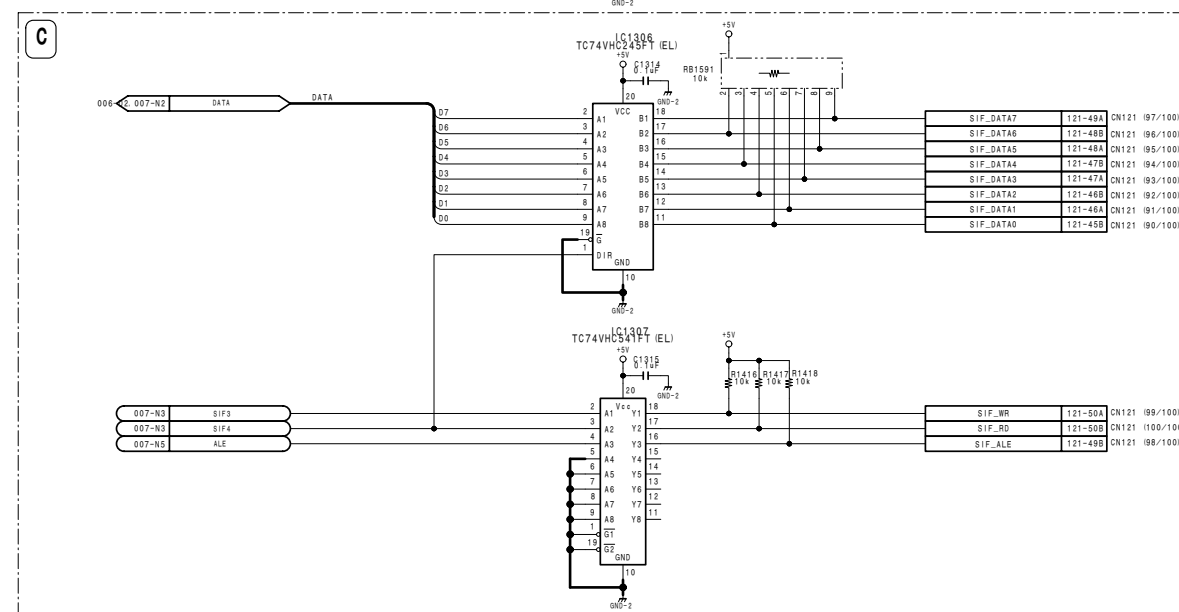
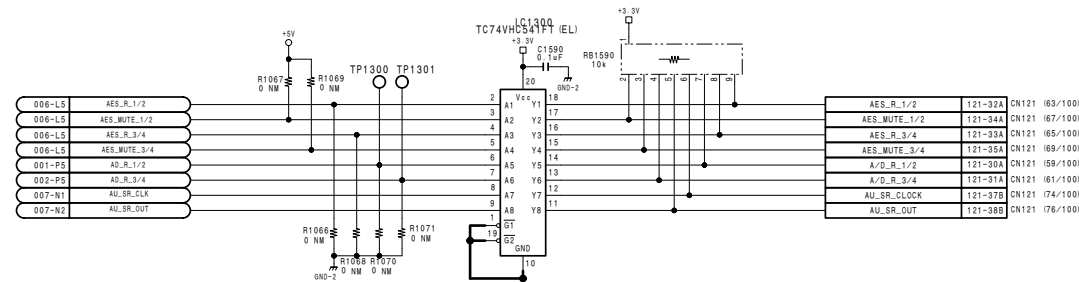
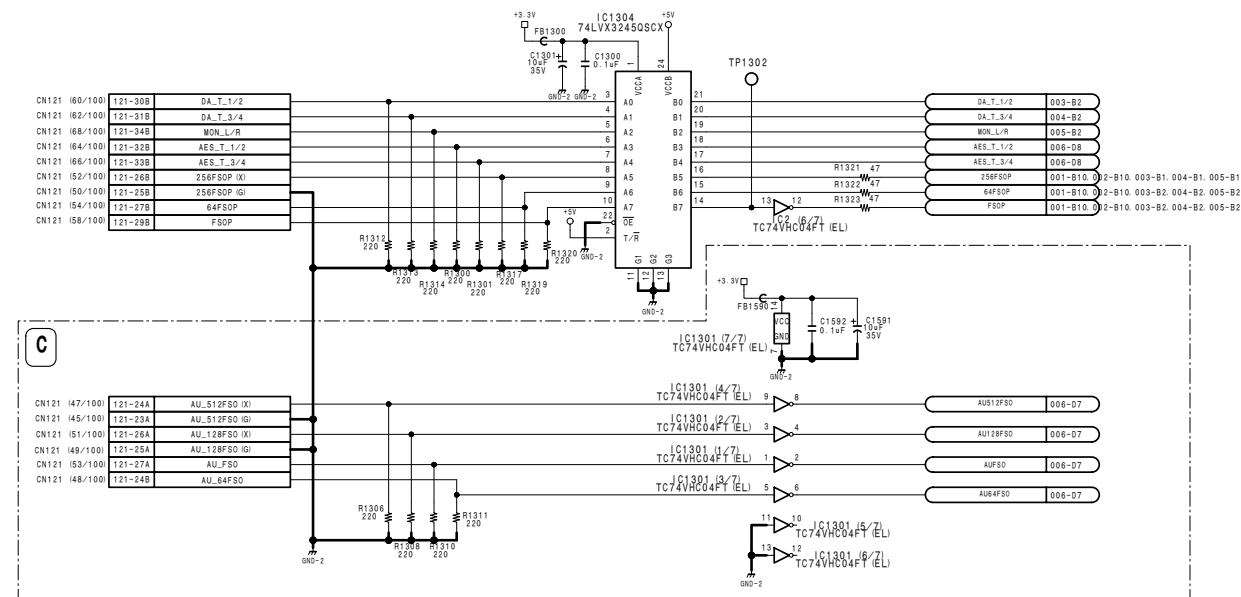
H



Digital Audio Self-Diagnosis

APR-1 BOARD (8/9)

BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910-
DVW-A500 (J. UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500 (J. UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-A500_APR-1_016_8



Bus Buffer

APR-1 BOARD (9/9)

BOARD NO. 1-648-534-16

BOARD'S LOT NO. 910-

DVW-A500 (J, UC) : APR-1 MCB

DVW-A500P (EK) : APR-1 MCB

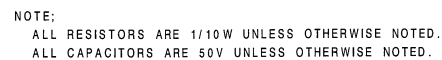
DVW-A500P (UC) : APR-1 MCB

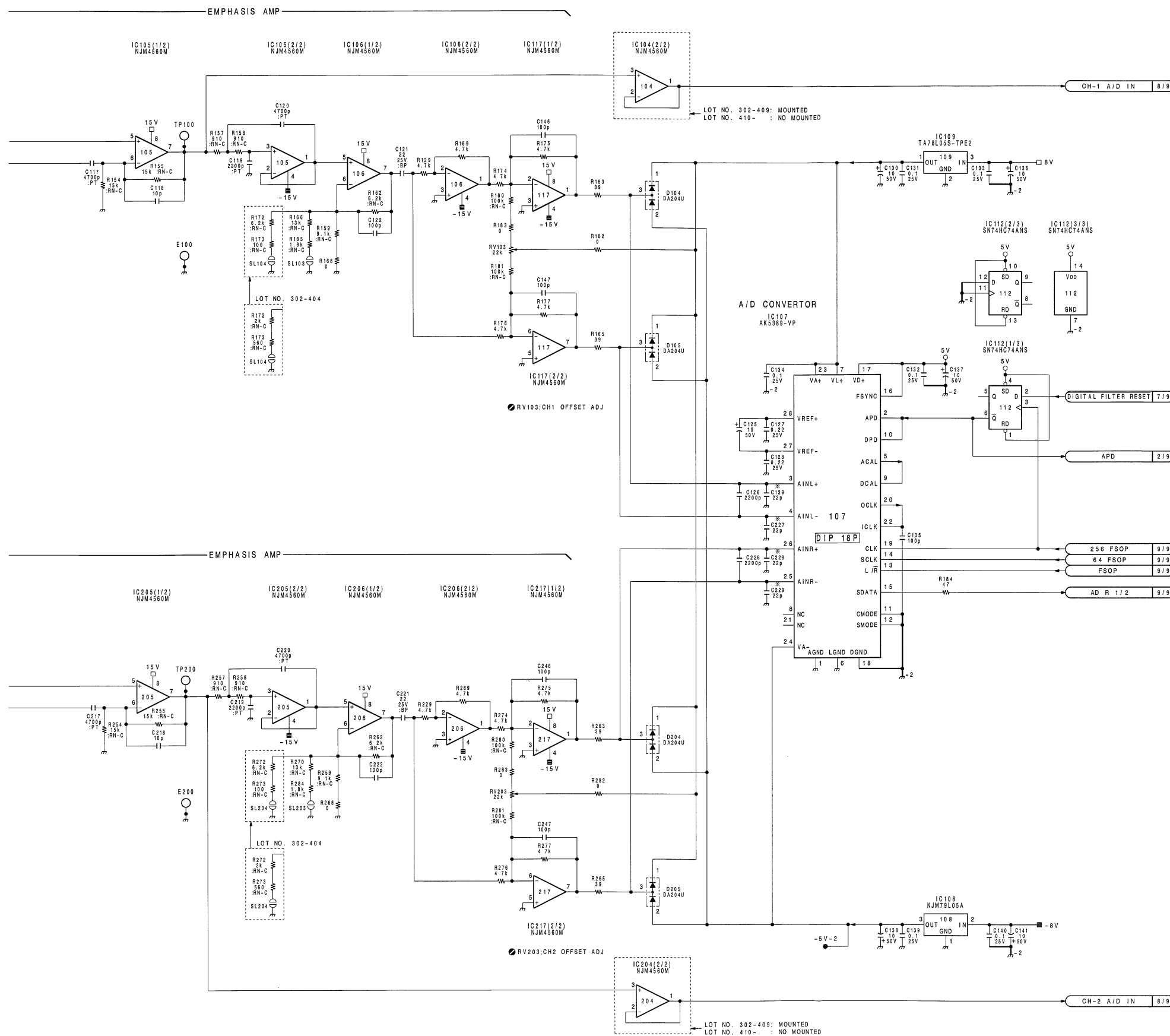
DVW-500 (J, UC) : APR-1 MCB

DVW-500P (EK) : APR-1 MCB

DVW-500P (UC) : APR-1 MCB

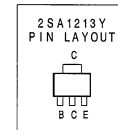
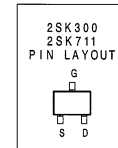
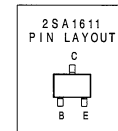
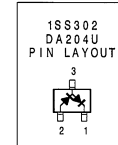
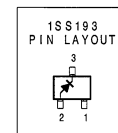
DVW-A500_APR-1_016_9





※ PART CHANGE INFORMATION				旧部品に対する補修部品 同時に交換する部品	
Ref. No.	Part change information		Change Lot No.	Repair part for Old part	Simultaneously change part
	Old	New			
F-1	R137	20k → 4.7k	309	4.7k	R138
F-2	R138	20k → 4.7k	309	4.7k	R137
F-4	R237	20k → 4.7k	309	4.7k	R238
F-4	R238	20k → 4.7k	309	4.7k	R237
L-3	C129	2200p → 22p	401	22p	C227, C228, C229
L-3	C227	2200p → 22p	401	22p	C129, C228, C229
L-3	C228	2200p → 22p	401	22p	C129, C227, C229
L-3	C229	2200p → 22p	401	22p	C129, C227, C228
E-1	D101	DA204U → 1SS302	403	MA143A	
		1SS302 → MA143A	806		
E-2	D102	DA204U → 1SS302	403	MA143A	
		1SS302 → MA143A	806		
E-4	D201	DA204U → 1SS302	403	MA143A	
		1SS302 → MA143A	806		
E-4	D202	DA204U → 1SS302	403	MA143A	
		1SS302 → MA143A	806		
H-1	Q102	2SK300 → 2SK711	405	2SK711	
H-3	Q202	2SK300 → 2SK711	405	2SK711	
E-1	R124	4.7k → 2.7k	△ 405	2.7k	R128, R149
E-1	R128	4.7k → 2.7k	△ 405	2.7k	R124, R149
G-1	R149	11k → 4.7k	△ 405	4.7k	R124, R128
E-4	R224	4.7k → 2.7k	△ 405	2.7k	R228, R249
E-4	R228	4.7k → 2.7k	△ 405	2.7k	R224, R249
G-4	R249	11k → 4.7k	△ 405	4.7k	R224, R228

△ : IN THE CASE OF APR-1P MCB, CHANGED FROM LOT NO 403

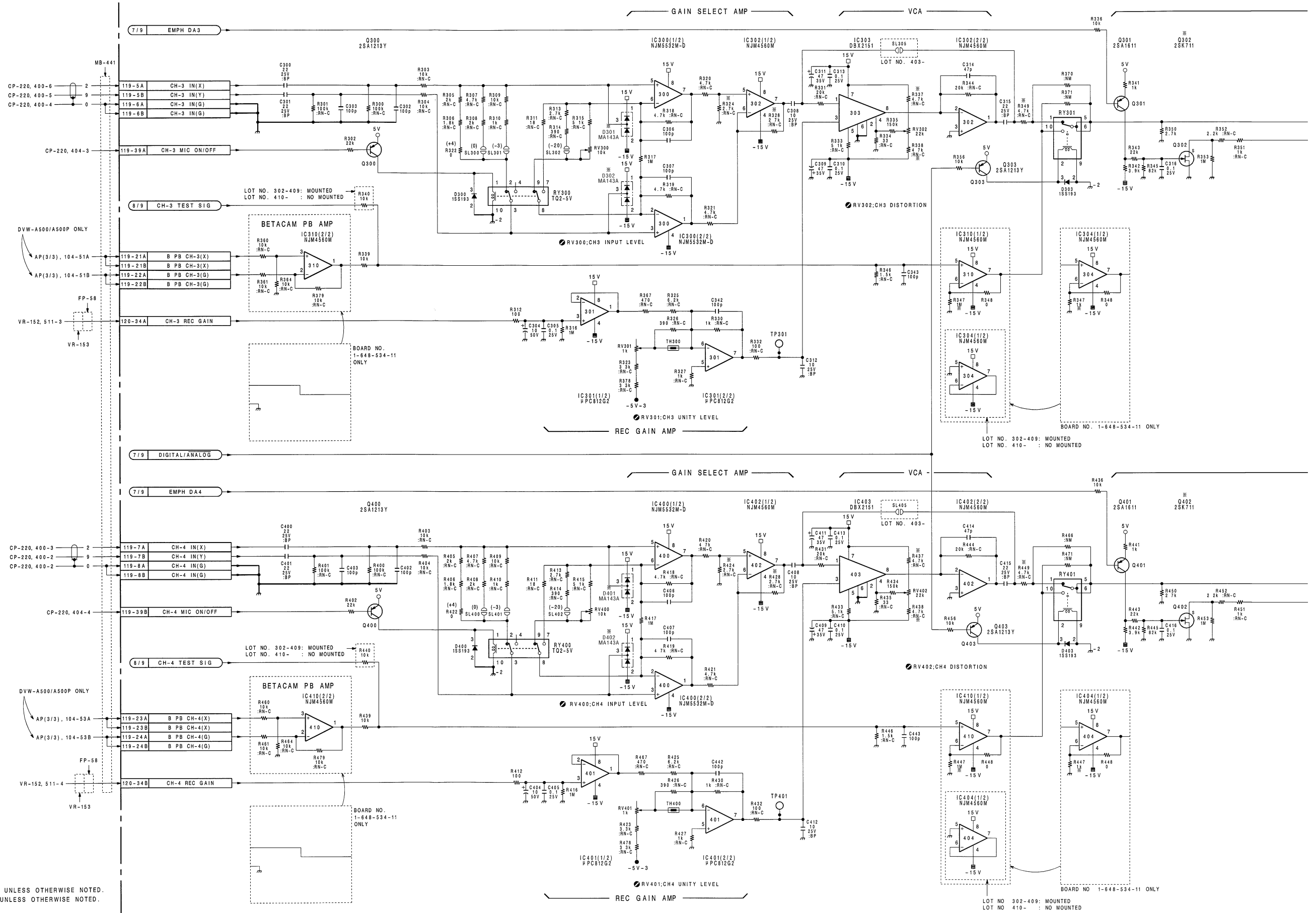


LOT NO.	BOARD NO.
302-305	1-648-534-11
306	1-648-534-11, 12
307-402	1-648-534-12
403-412	1-648-534-13
501-909	1-648-534-14

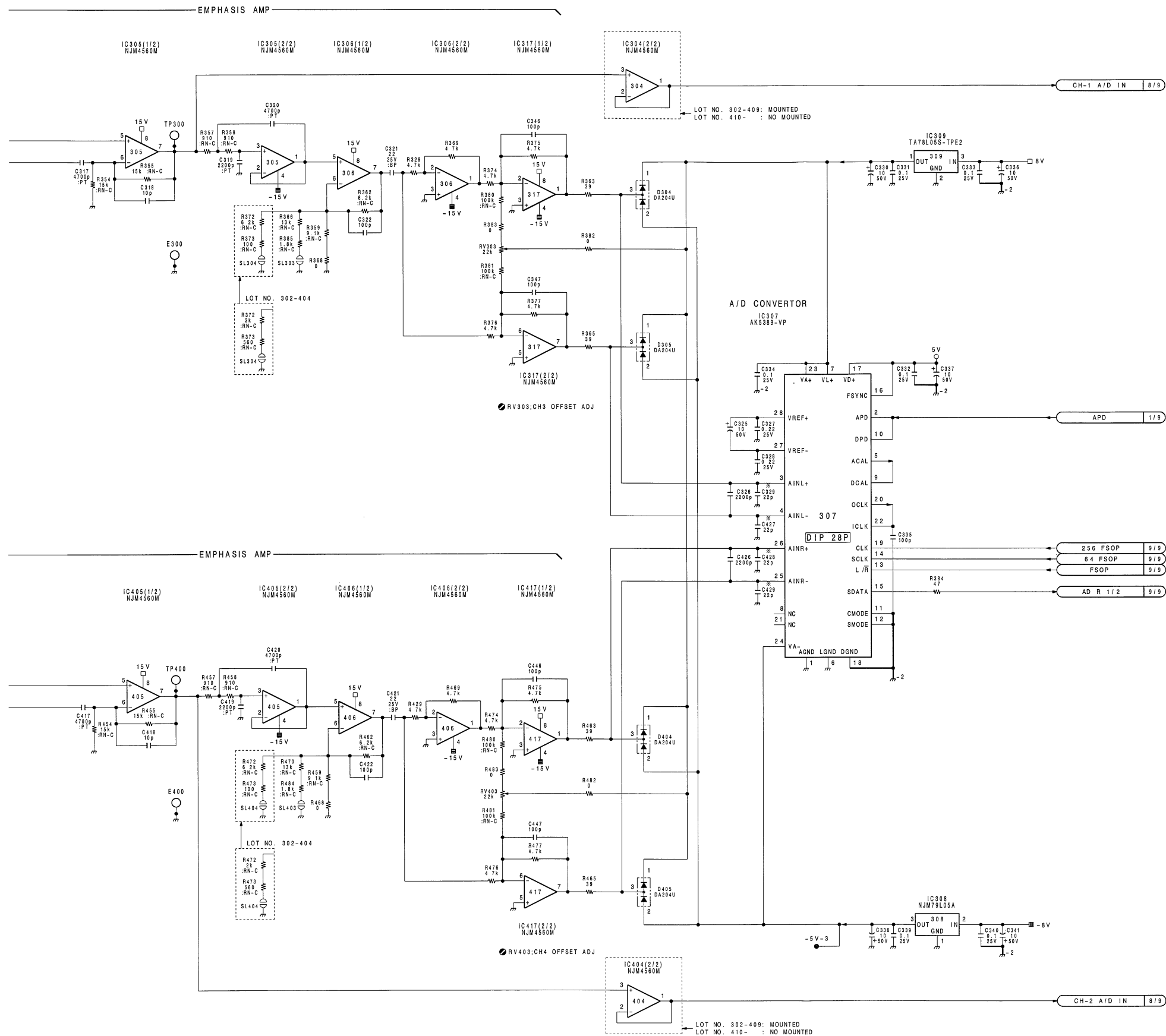
CH-1/CH-2 A/D Convert APR-1 BOARD (1/9)

BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500(J, UC) : APR-1 MCB
DVW-A500P(EK) : APR-1P MCB
DVW-A500P(UC) : APR-1PG MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (E) : APR-1P MCB
DVW-500P (UC) : APR-1PG MCB

DVW-APR1-ALL-REC-S/M-04

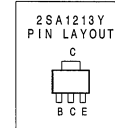
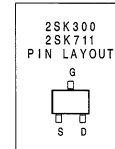
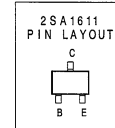
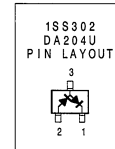
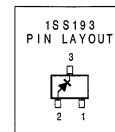


NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



※ PART CHANGE INFORMATION			旧部品に対する補修部品 同時に交換する部品		
Ref. No.	Old	New	Change Lot No.	Repair part for Old part	Simultaneously change part
F-1	R337	20k → 4.7k	309	4.7k	R338
F-2	R338	20k → 4.7k	309	4.7k	R337
F-4	R437	20k → 4.7k	309	4.7k	R438
F-4	R438	20k → 4.7k	309	4.7k	R437
F-2	R347	1k → 1M	310	1M	
G-2					
F-5	R447	1k → 1M	310	1M	
G-5					
L-3	C329	2200p → 22p	401	22p	C427, C428, C429
L-3	C427	2200p → 22p	401	22p	C329, C428, C429
L-3	C428	2200p → 22p	401	22p	C329, C427, C429
L-3	C429	2200p → 22p	401	22p	C329, C427, C428
E-1	D301	DA204U → 1SS302	403	MA143A	
E-2	D302	DA204U → 1SS302	403	MA143A	
E-4	D401	DA204U → 1SS302	403	MA143A	
E-4	D402	DA204U → 1SS302	403	MA143A	
H-1	Q302	2SK300 → 2SK711	405	2SK711	
H-3	Q402	2SK300 → 2SK711	405	2SK711	
E-1	R324	4.7k → 2.7k	△ 405	2.7k	R328, R349
E-1	R328	4.7k → 2.7k	△ 405	2.7k	R324, R349
G-1	R349	11k → 4.7k	△ 405	4.7k	R324, R328
E-4	R424	4.7k → 2.7k	△ 405	2.7k	R428, R449
E-4	R428	4.7k → 2.7k	△ 405	2.7k	R424, R449
G-4	R449	11k → 4.7k	△ 405	4.7k	R424, R428

△ : IN THE CASE OF APR-1P MCB, CHANGED FROM LOT NO. 403.



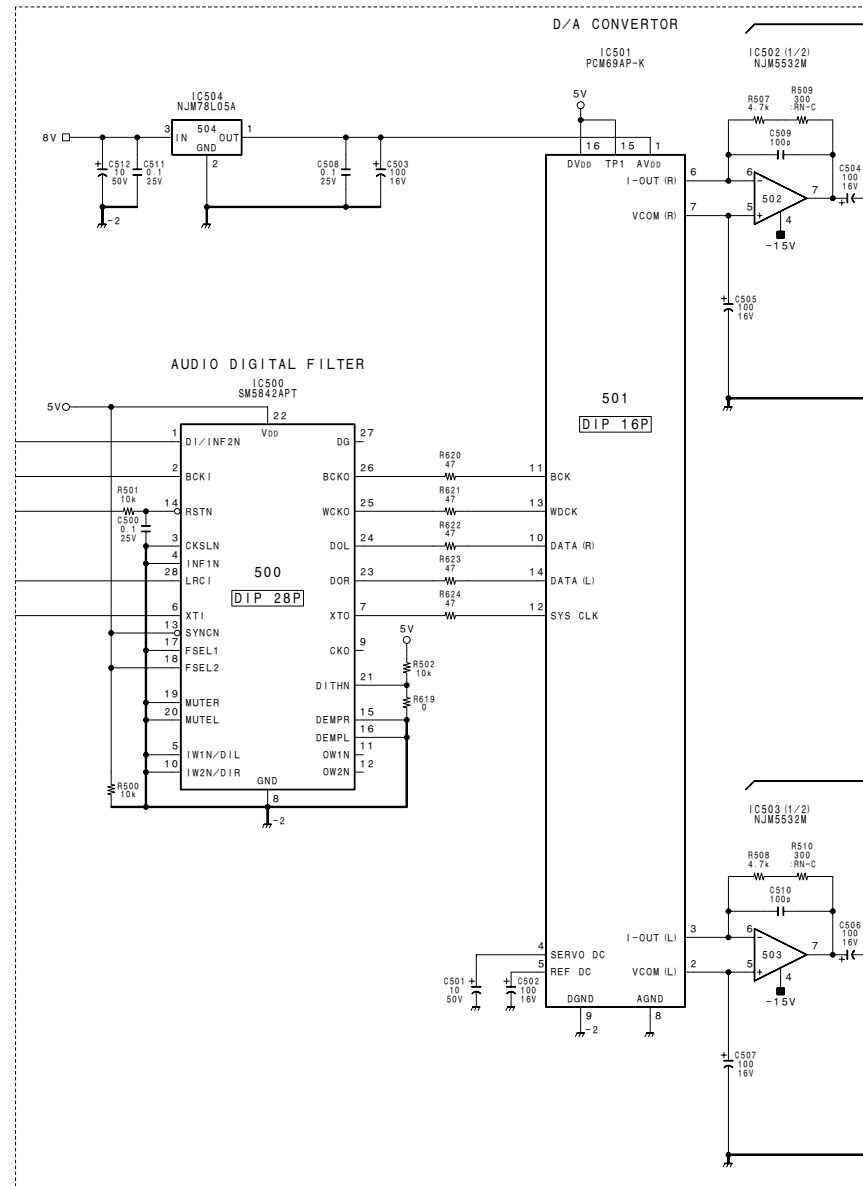
LOT NO.	BOARD NO.
302-305	1-648-534-11
306	1-648-534-11, 12
307-402	1-648-534-12
403-412	1-648-534-13
501-909	1-648-534-14

CH-3/CH-4 A/D Convert APR-1 BOARD (2/9)

BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500(J, UC) : APR-1 MCB
DVW-A500P(EK) : APR-1P MCB
DVW-A500P(UC) : APR-1PG MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1P MCB
DVW-500P (UC) : APR-1PG MCB

DVW-APR1-ALL-REC-S/M-04

7/9 POWER ON/OFF MUTE



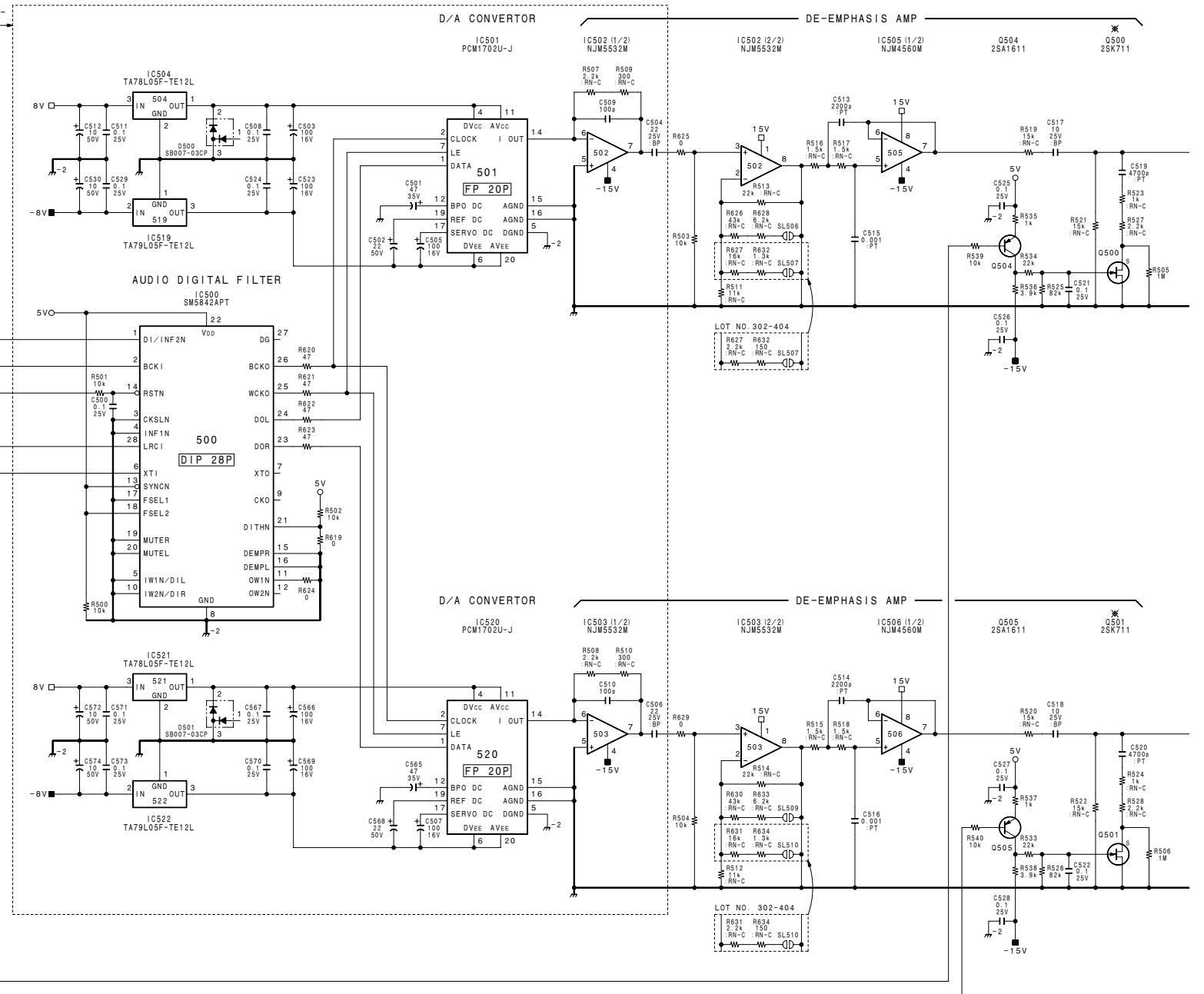
✱ PART CHANGE INFORMATION

Part change information				Change	Repair part	Simultaneously
Ref.	No.	Old	New	LOT No.	for Old part	change part
C553	10	50V	→ 100 16V	310	100 16V	
C554	10	50V	→ 100 16V	310	100 16V	
D504						
D505	DA204U	→ 1S3302		311		D504-507.
D506	1S3302	→ MA143A		806	MA143A	D704-707.
D507						D907-910
O500	2SK300	→ 2SK711		405	2SK711	
O501	2SK300	→ 2SK711		405	2SK711	

7/9 DE-EMPHA DA1

7/9	DE-EMPHA DA1
7/9	DE-EMPHA DA2

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



1-24 (a)

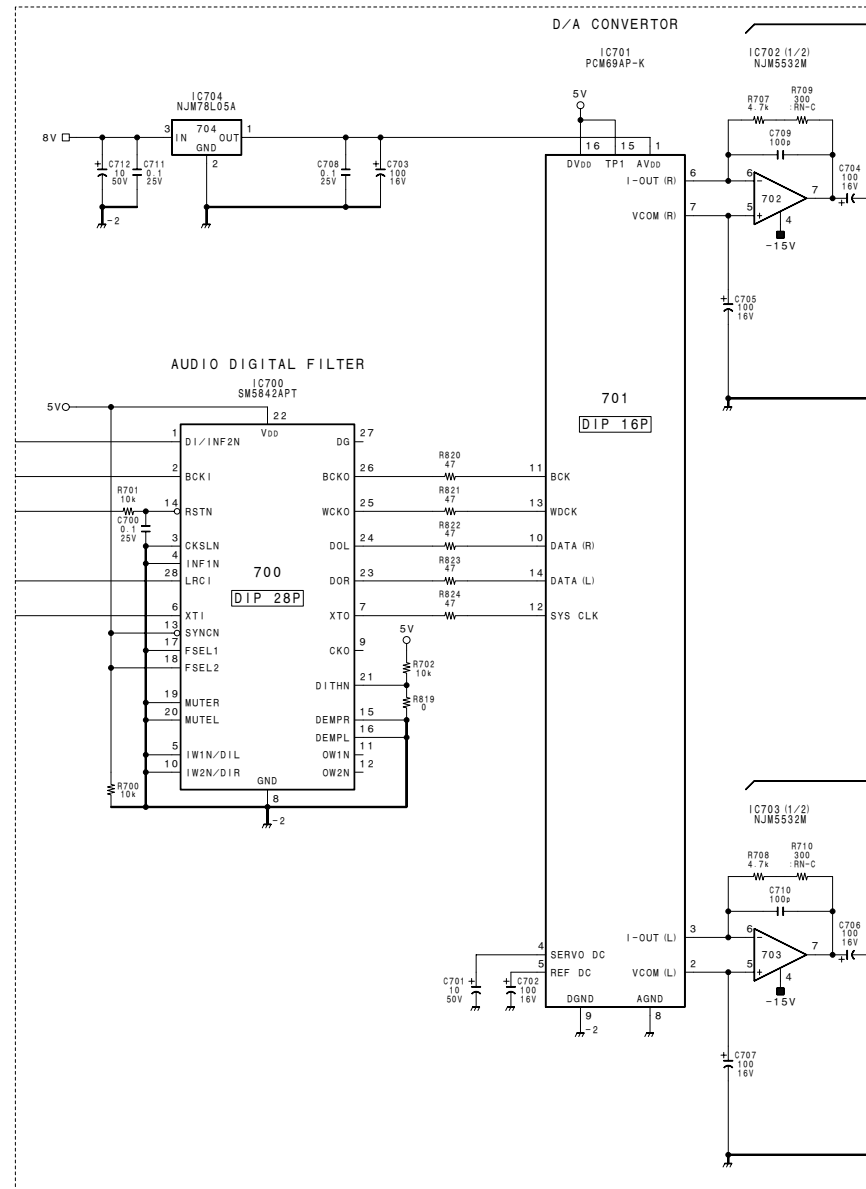
1-24 (a)

DVW-A500/500



BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1P MCB
DVW-A500P (UC) : APR-1PG MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1G MCB
DVW-500P (UC) : APR-1PG MCB
DVW-APR1-ALL-REC-SJM-04

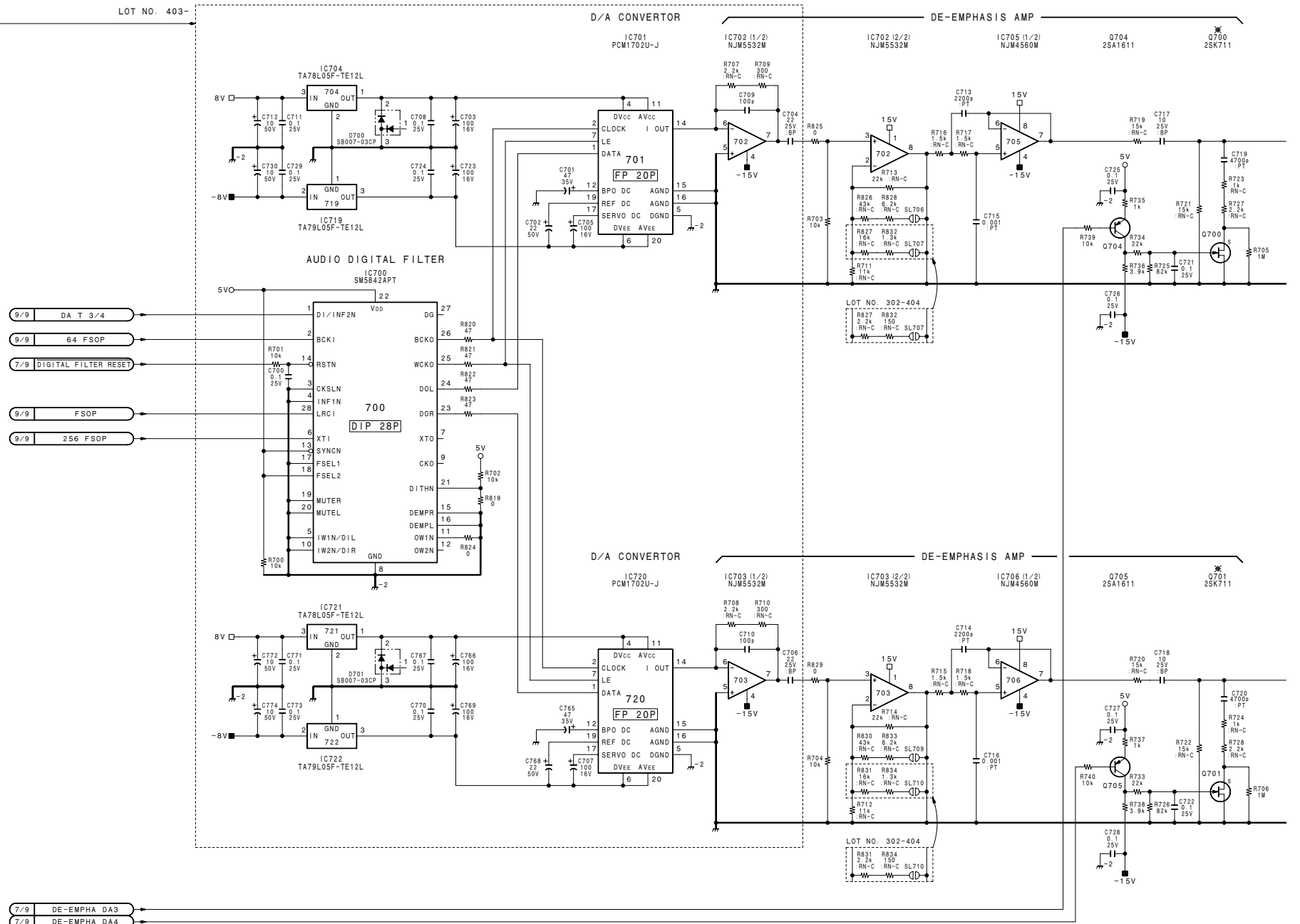
7/9 POWER ON/OFF MUTE



✱ PART CHANGE INFORMATION

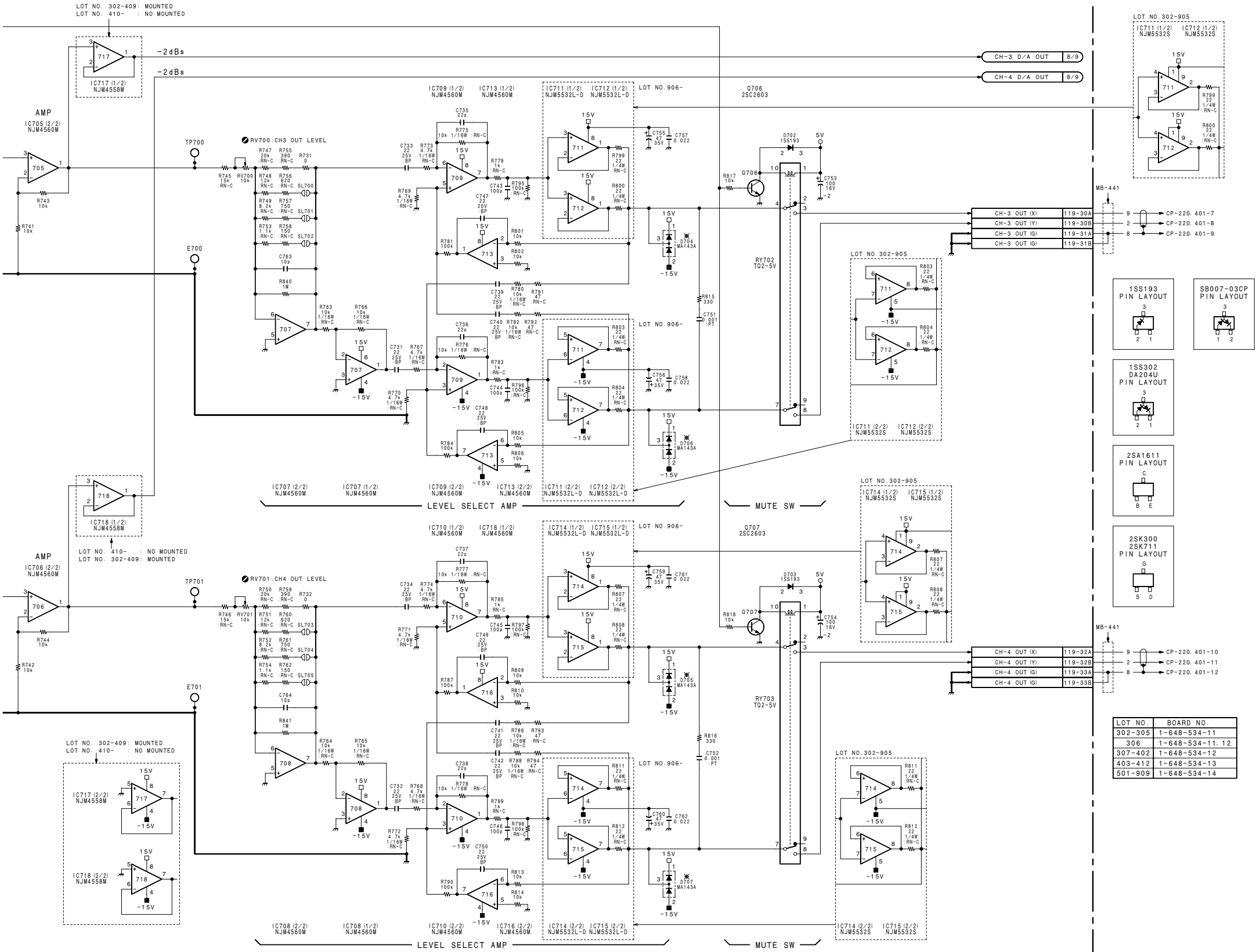
Part change information			Change	Repair part	Simultaneously
Ref. No.	Old	New	LOT No.	for Old part	change part
D704					
D705	DA204U	→ 1S302	311		D504-507,
D706	1S302	→ MA143A	806	MA143A	0704-707,
D707					0907-910
D700	2SK300	→ 2SK711	405	2SK711	
D701	2SK300	→ 2SK711	405	2SK711	

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



1-26 (a)

1-26 (a)



CH-3/CH-4 D/A Convert &
Output Drive
APR-1 BOARD (4/9)

BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1P MCB
DVW-A500P (UC) : APR-1PG MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1G MCB
DVW-500P (UC) : APR-1PG MCB
[DVW-APR1-ALL-REC-S/M-04]

1

2

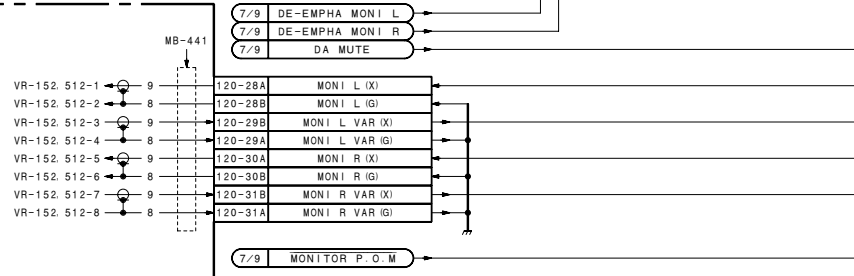
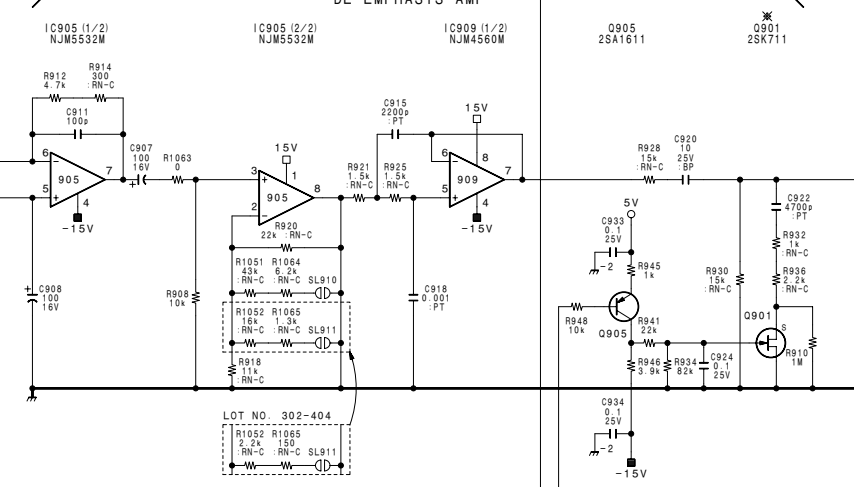
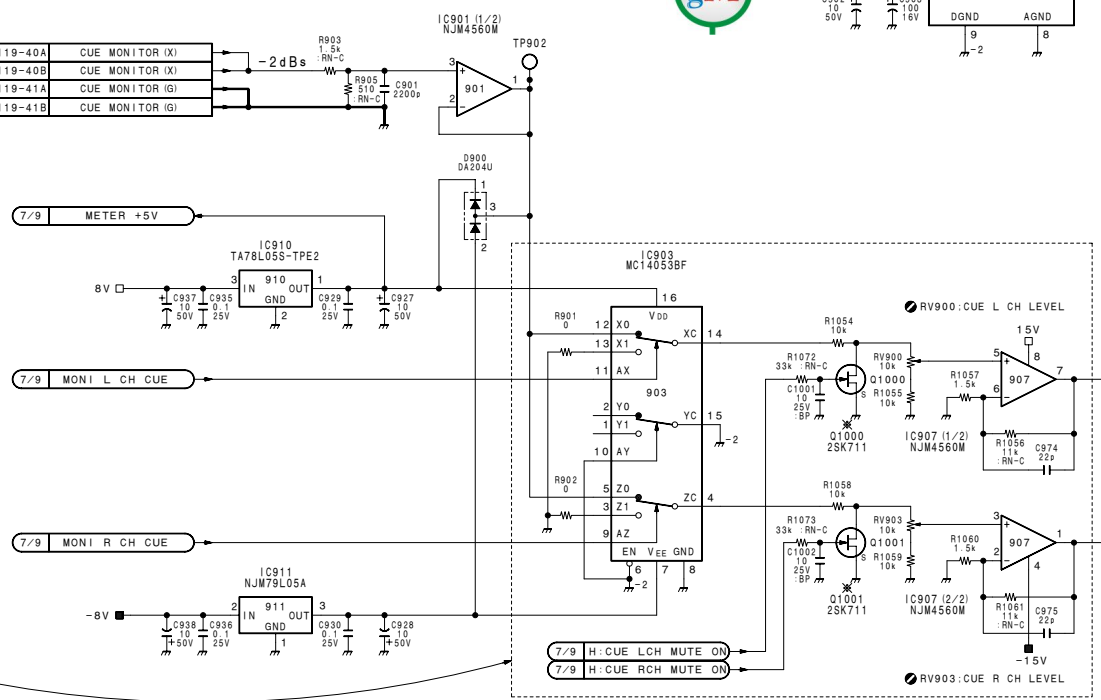
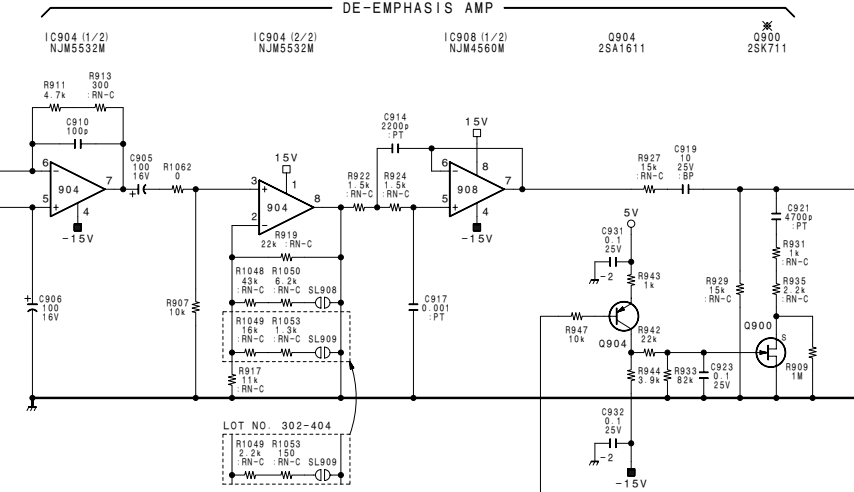
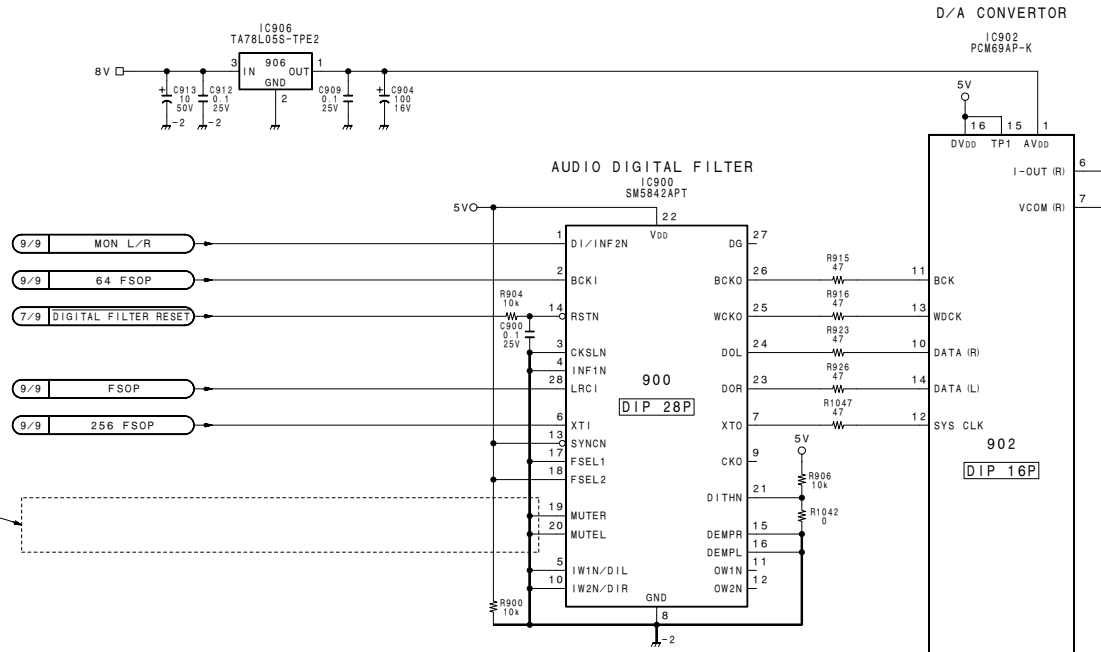
3

4

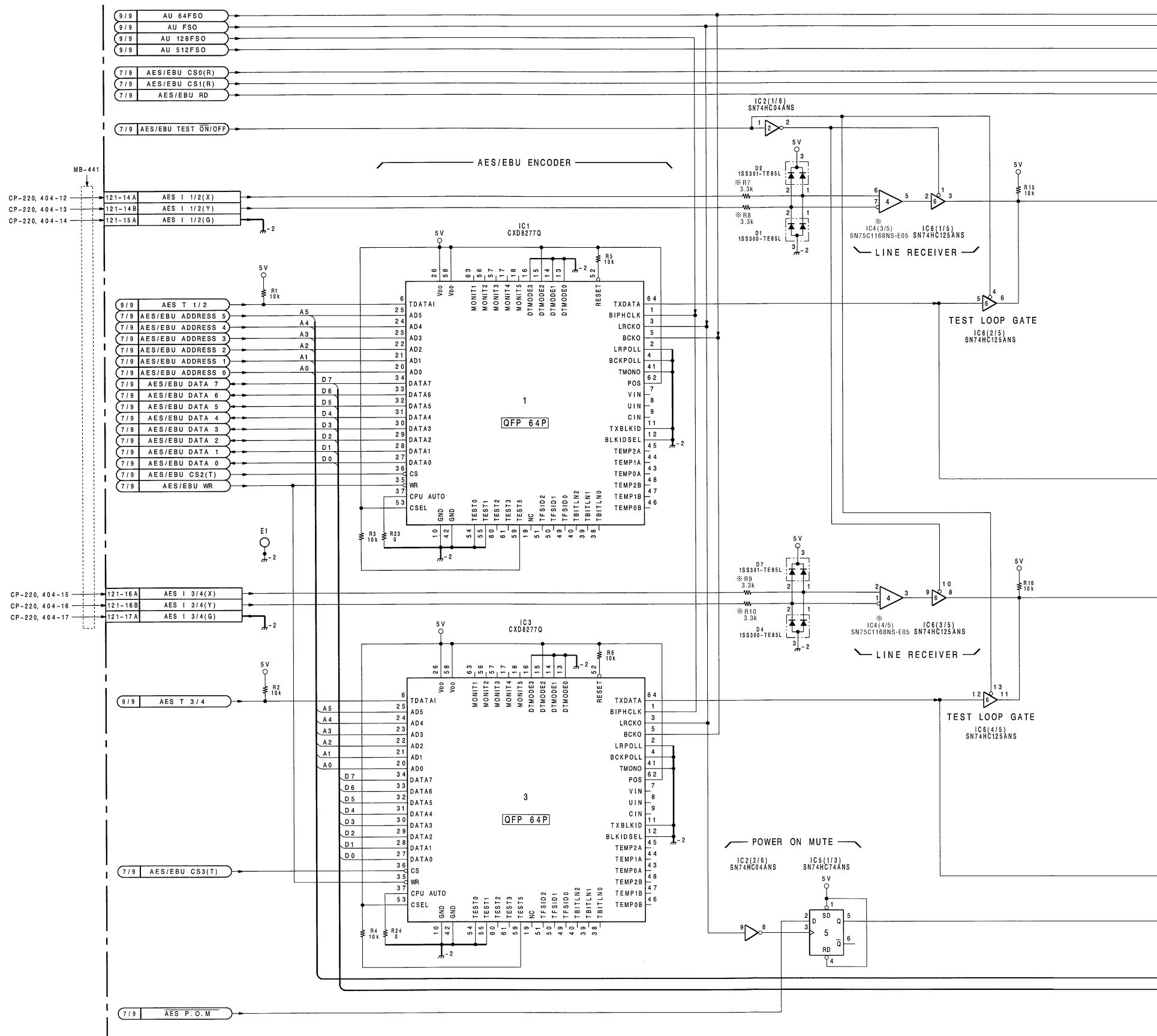
5

※ PART CHANGE INFORMATION

Part change information	Change	Repair part	Simultaneously
Ref. No.	Old	LOT No.	change part
D907	DA204U	311	D504-507.
D908	1SS302	806	D704-707.
D909	1SS302		D907-910
D910			
Q900	2SK300	405	
Q901			
Q1000			
Q1001			

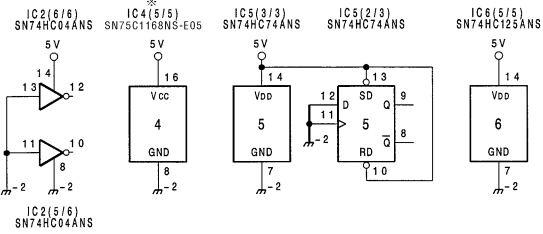
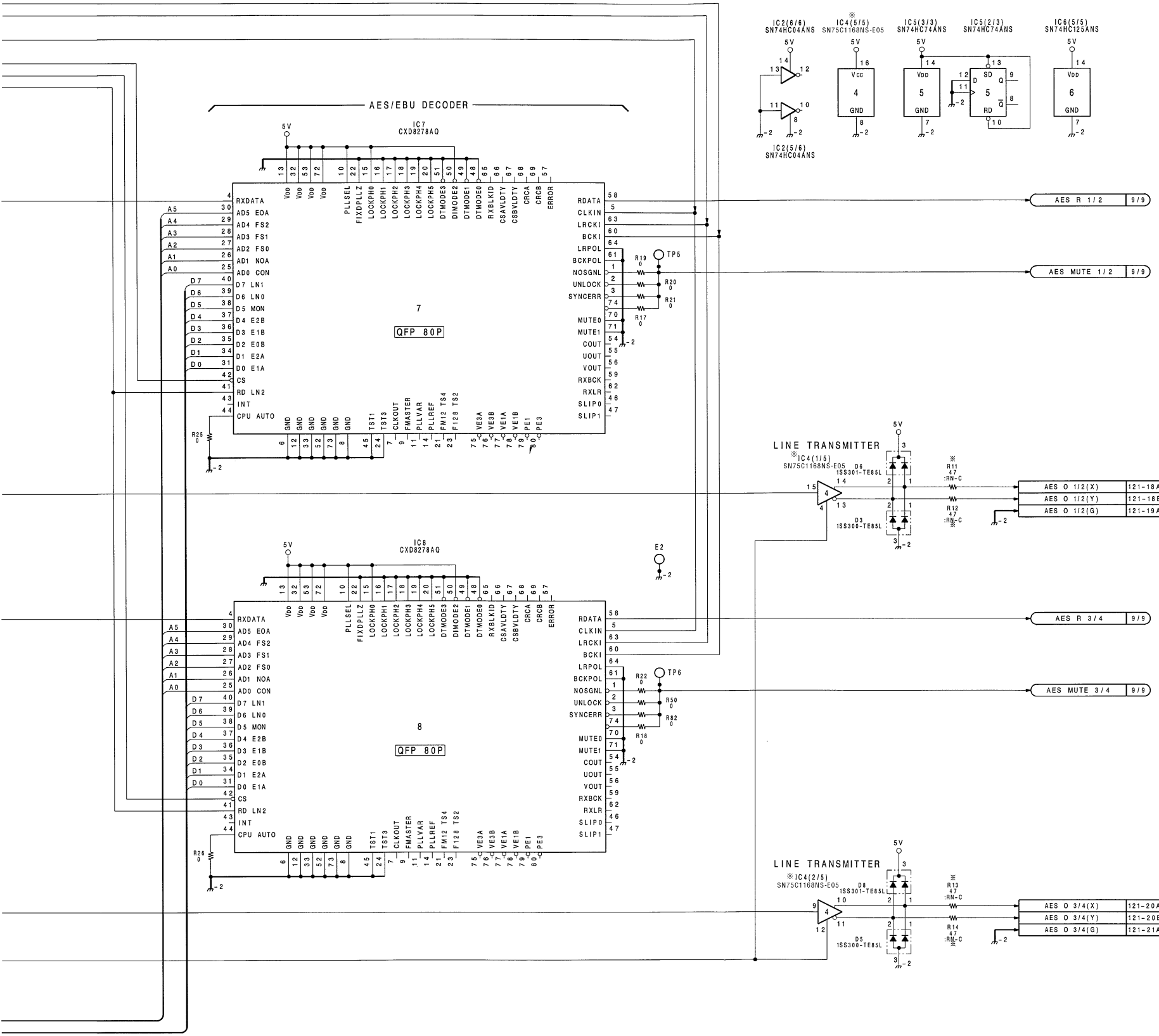


NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



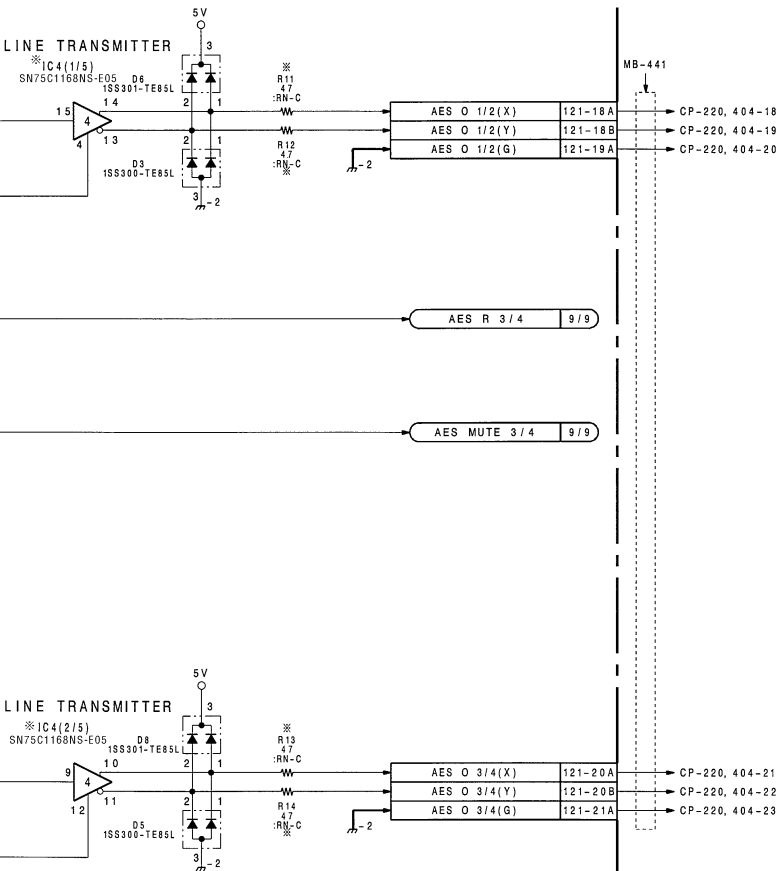
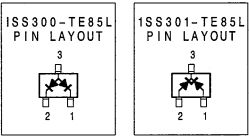
1-30 (a)

1-30 (a)



※ PART CHANGE INFORMATION

Part change information			旧部品に対する補修部品 同時に交換する部品		
Ref. No.	Old	New	Change LOT No.	Repair part for Old part	Simultaneously change part
M-3	R11	10 → 47	306	47	R12, R13, R14
M-3	R12	10 → 47	306	47	R11, R13, R14
M-5	R13	10 → 47	306	47	R11, R12, R14
M-5	R14	10 → 47	306	47	R11, R12, R13
G-2	IC4 MC34051M → SN75C1168NS-E05		804	SN75C1168NS-E05	R7-R10
G-4					
L-1					
L-3					
L-5					
F-2	R7	10 → 3.3k	804	3.3k	IC4, R8, R9, R10
F-2	R8	10 → 3.3k	804	3.3k	IC4, R7, R9, R10
F-3	R9	10 → 3.3k	804	3.3k	IC4, R7, R8, R10
F-3	R10	10 → 3.3k	804	3.3k	IC4, R7, R8, R9

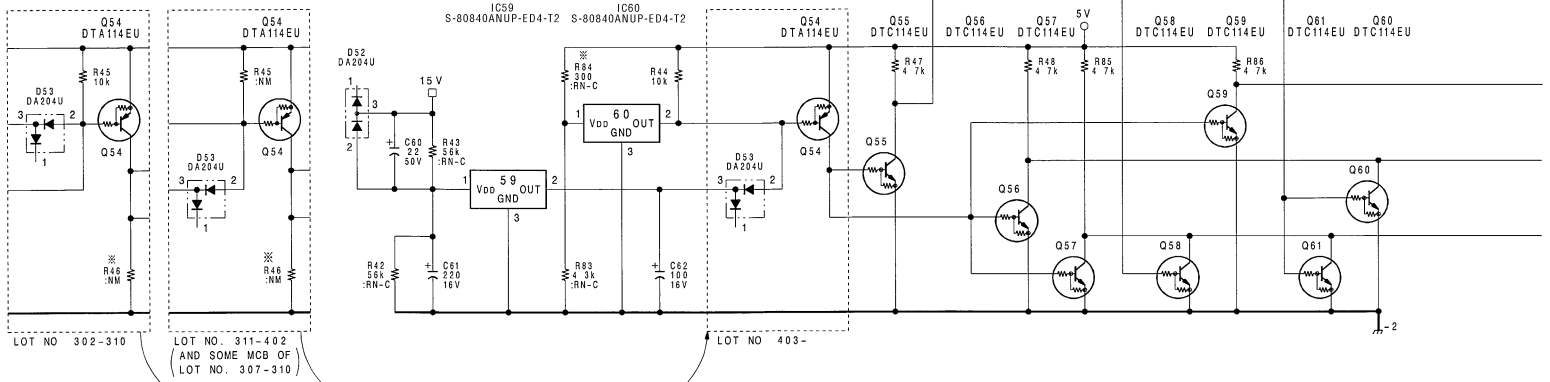


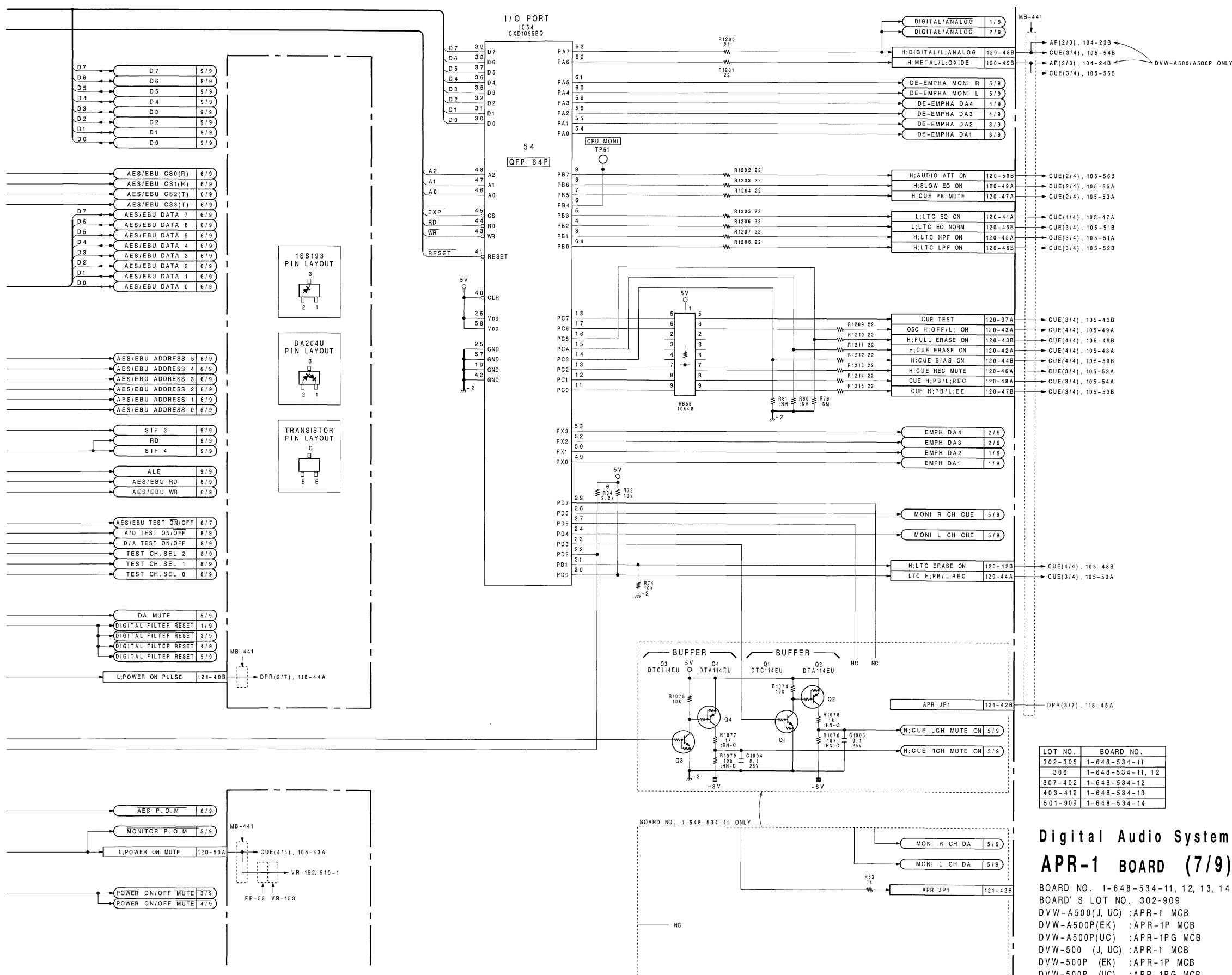
LOT NO.	BOARD NO.
302-305	1-648-534-11
306	1-648-534-11, 12
307-402	1-648-534-12
403-412	1-648-534-13
501-909	1-648-534-14

AES/EBU Encode/Decode
APR-1 BOARD (6/9)

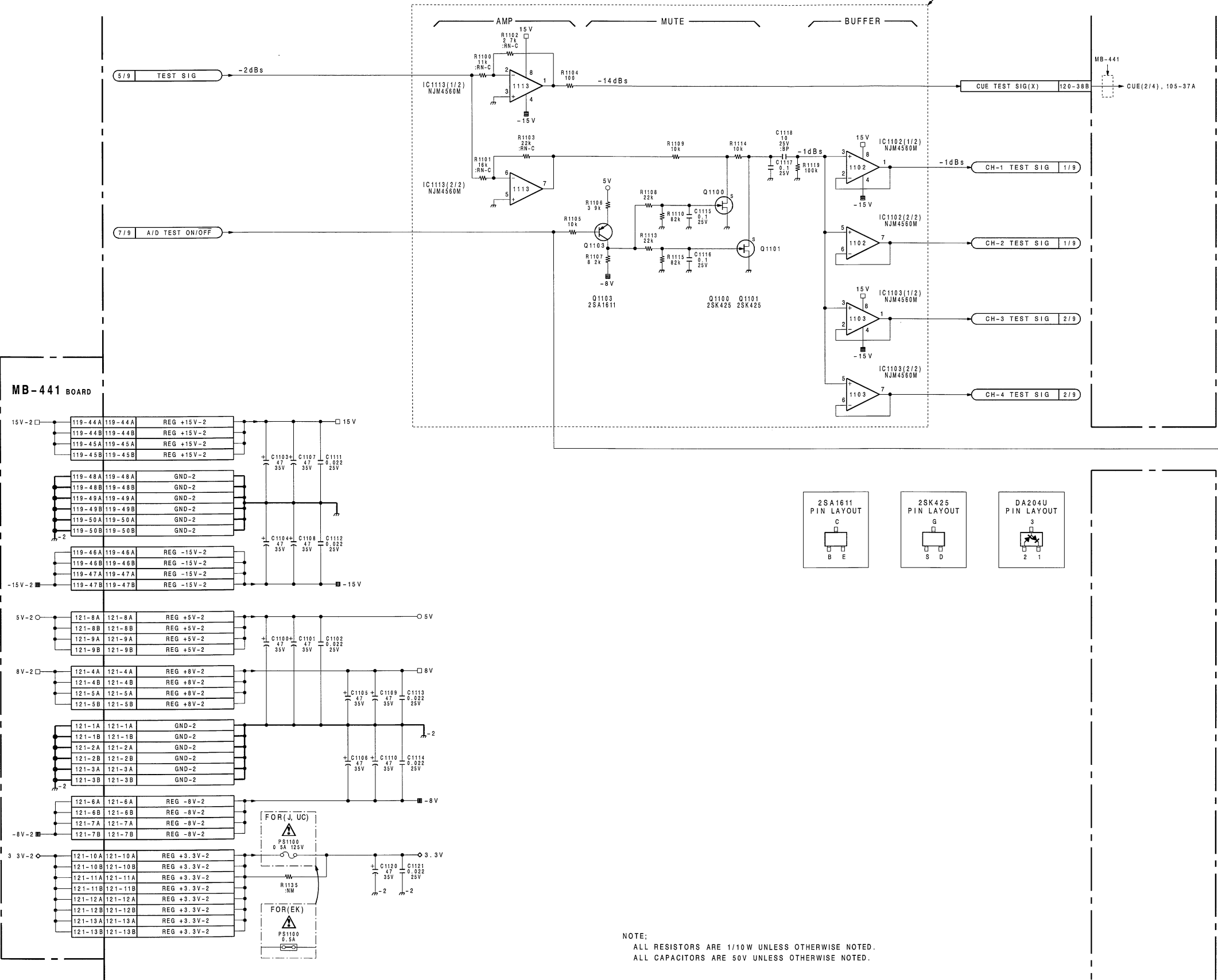
BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500(J, UC) :APR-1 MCB
DVW-A500P(EK) :APR-1P MCB
DVW-A500P(UC) :APR-1PG MCB
DVW-500 (J, UC) :APR-1 MCB
DVW-500P (EK) :APR-1P MCB
DVW-500P (UC) :APR-1PG MCB

DVW-APR1-ALL-REC-S/M-04





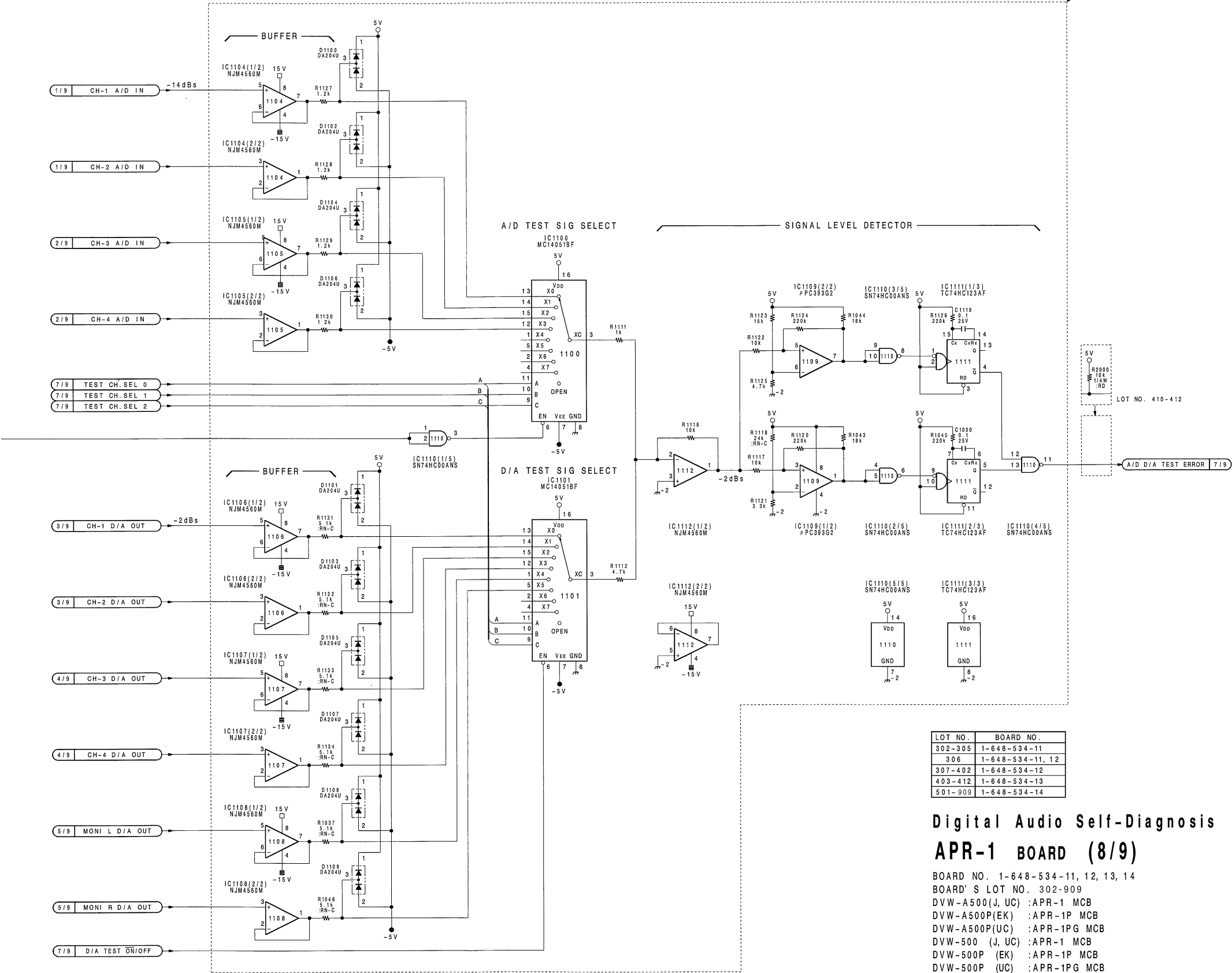
LOT NO. 302-409: MOUNTED AS DESIGN
LOT NO. 410- : NO MOUNTED



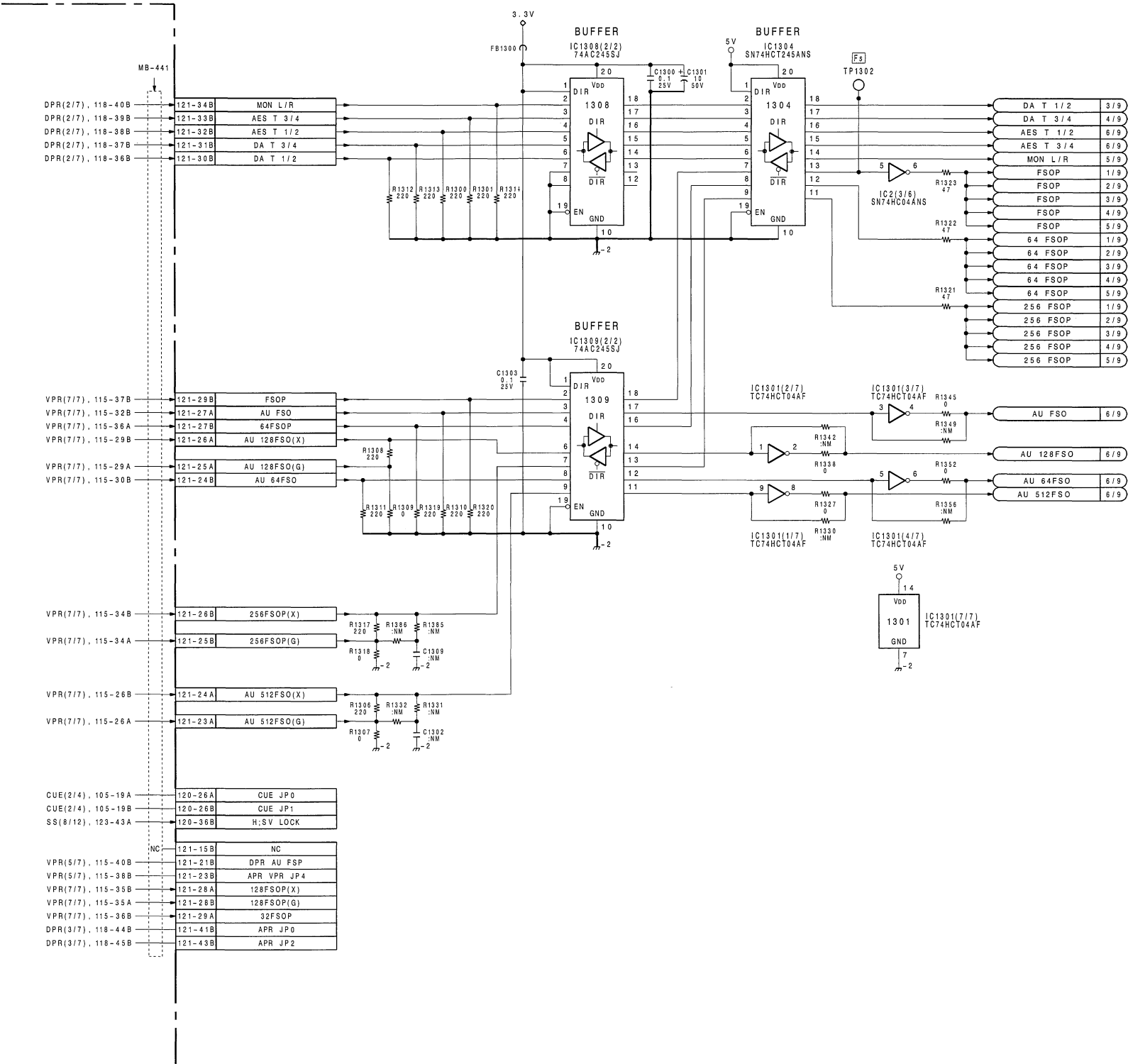
1-34 (a)

1-34 (a)

LOT NO. 302-409: MOUNTED AS DESIGN
LOT NO. 410- : NO MOUNTED





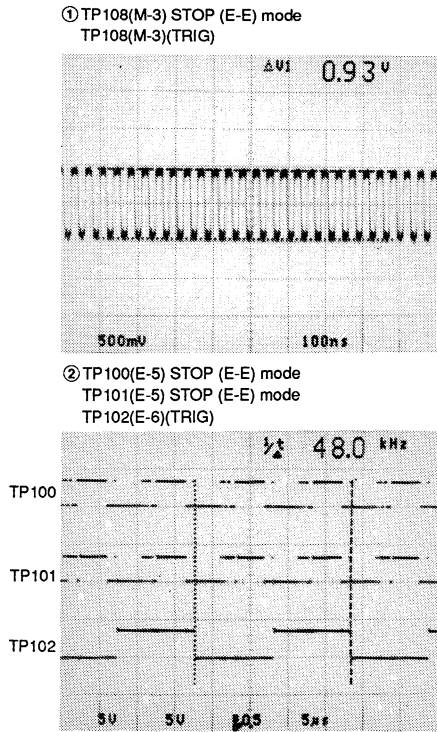


LOT NO.	BOARD NO.
302-305	1-648-534-11
306	1-648-534-11, 12
307-402	1-648-534-12
403-412	1-648-534-13
501-909	1-648-534-14

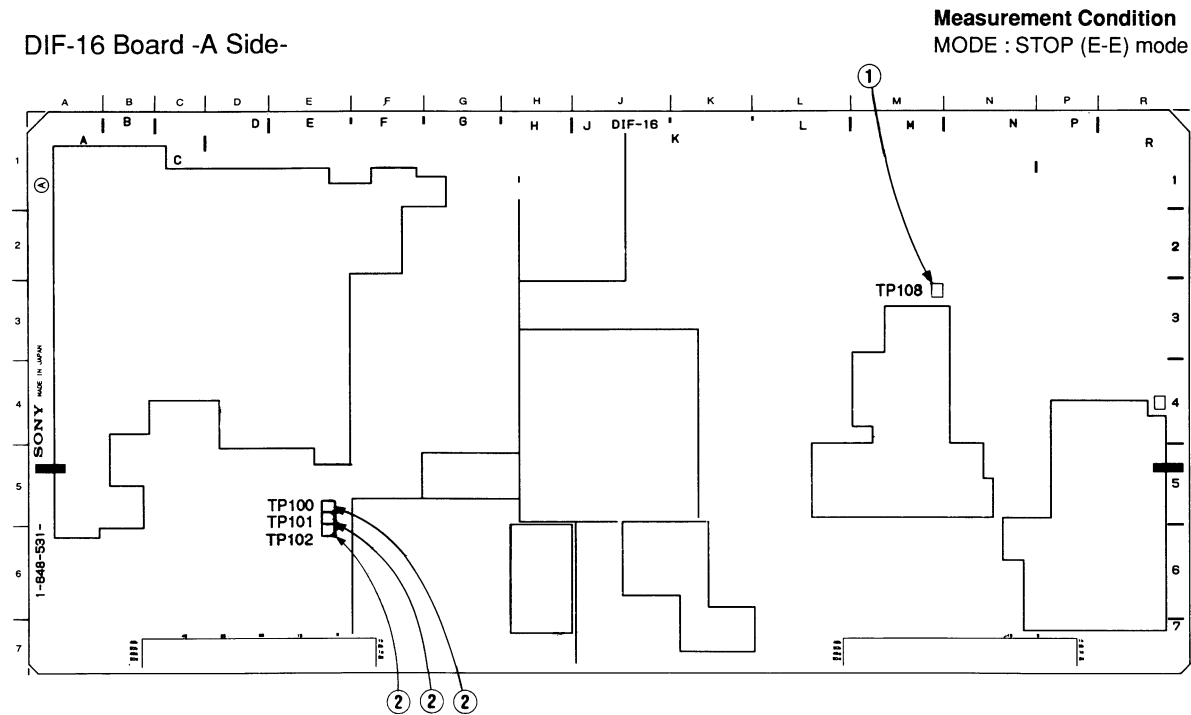
Bus Buffer
APR-1 BOARD (9/9)

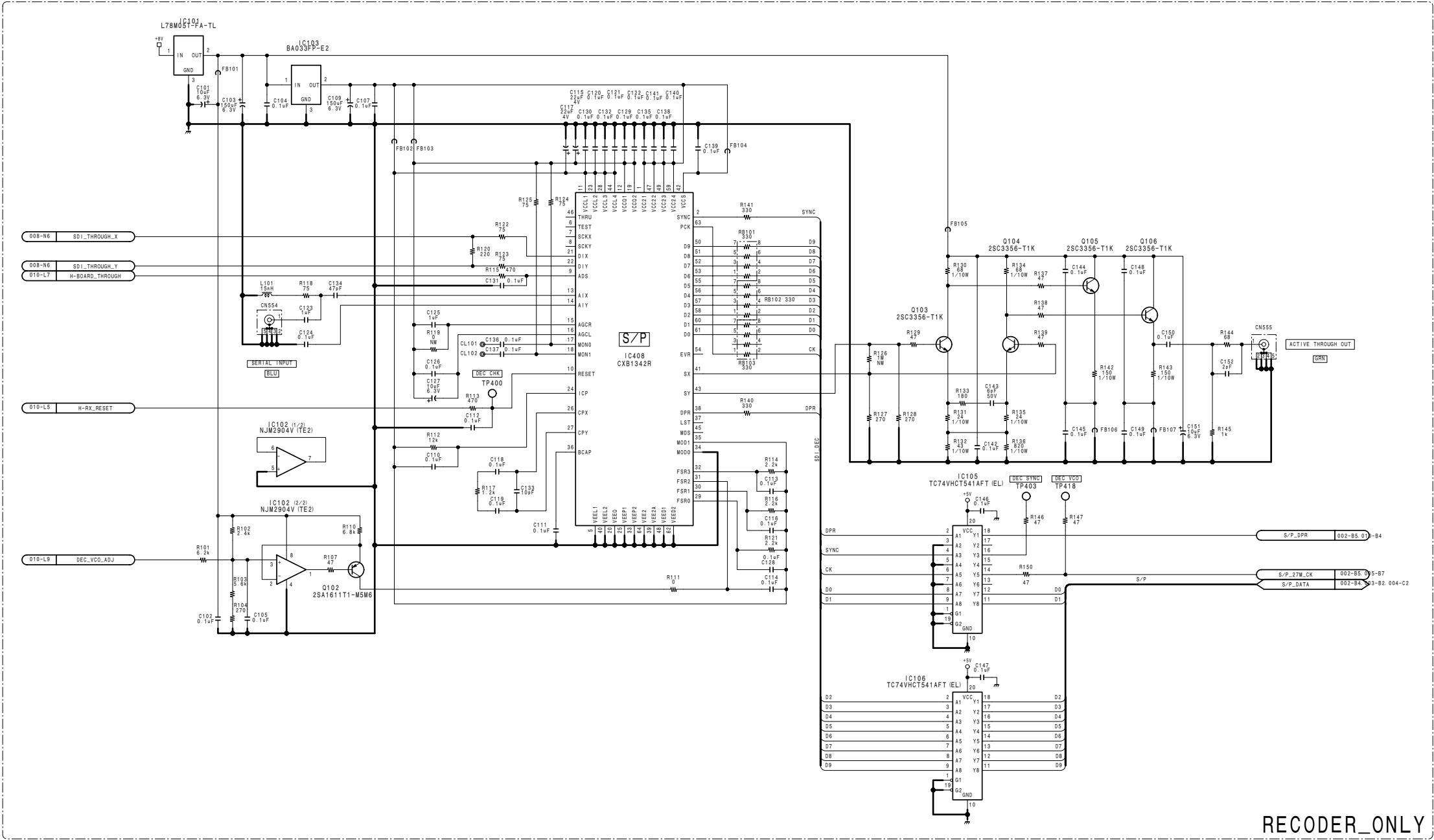
BOARD NO. 1-648-534-11, 12, 13, 14
BOARD' S LOT NO. 302-909
DVW-A500(J, UC) :APR-1 MCB
DVW-A500P(EK) :APR-1P MCB
DVW-A500P(UC) :APR-1PG MCB
DVW-500 (J, UC) :APR-1 MCB
DVW-500P (EK) :APR-1P MCB
DVW-500P (UC) :APR-1PG MCB

DVW-APR1-ALL-REC-S/M-04



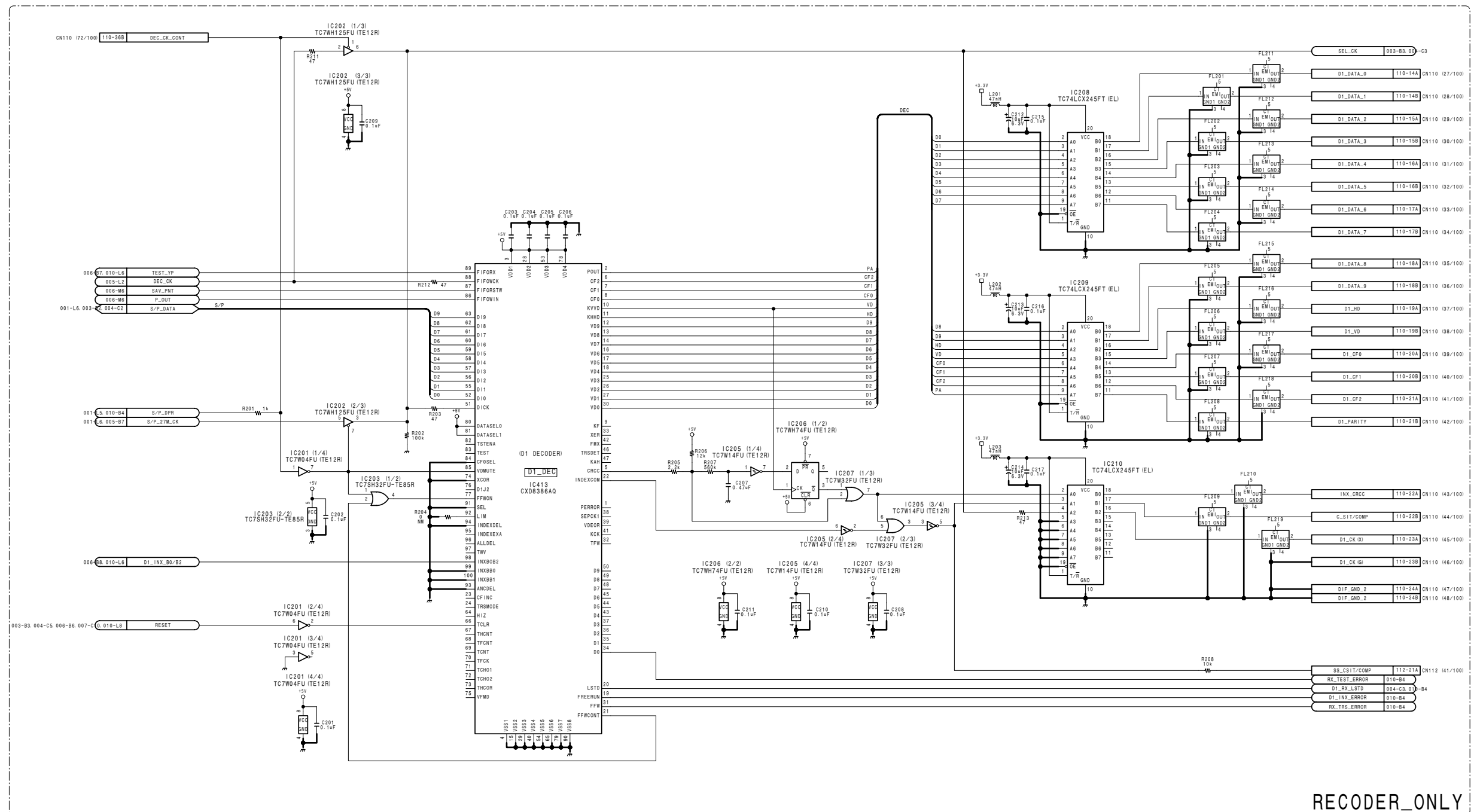
DIF-16 Board -A Side-





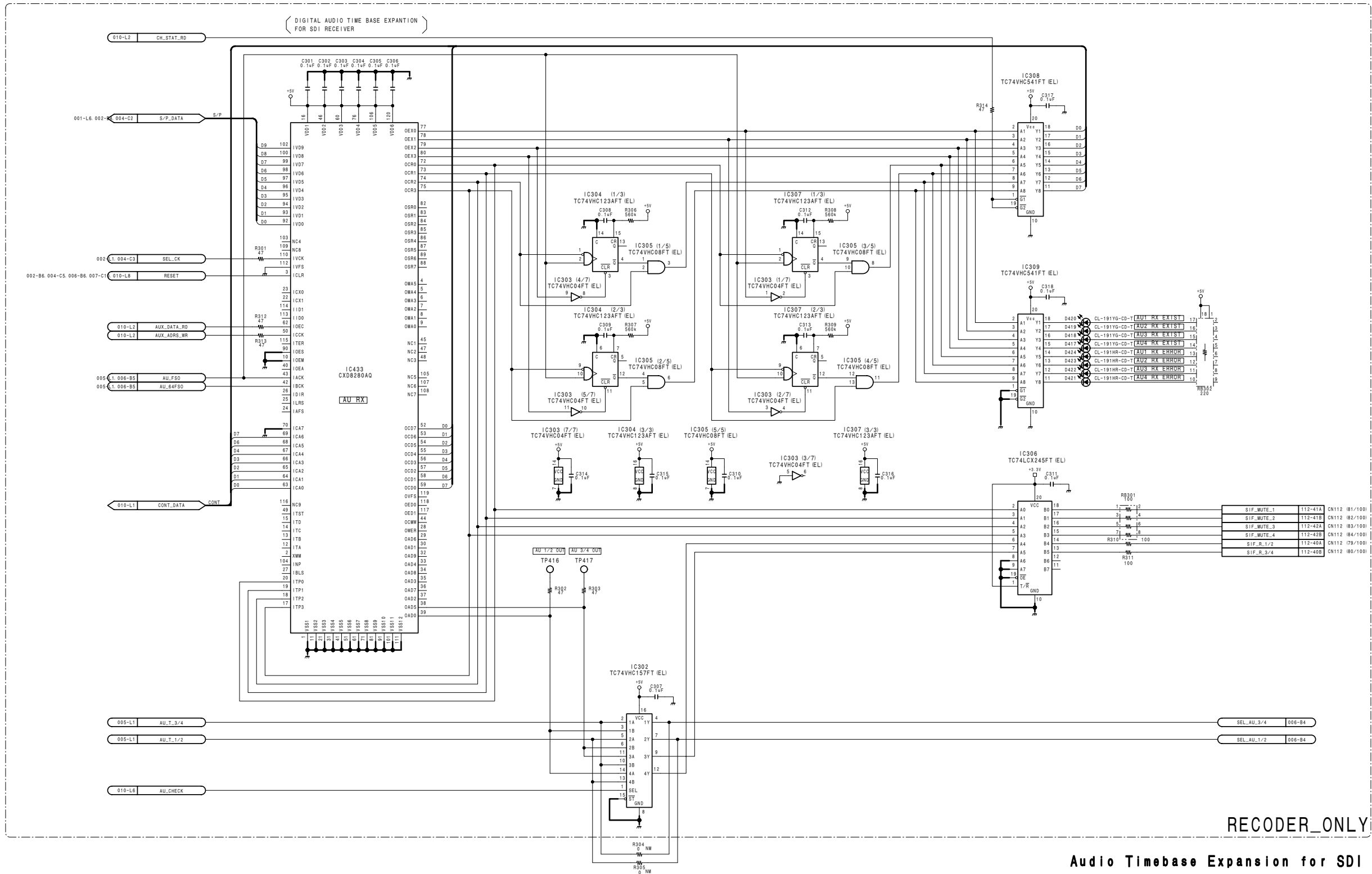
Serial to Parallel Converter of SDI Receiver
DIF-16 BOARD (1/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J. UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500 (J. UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB
DVW-A500_DIF-16_006_1



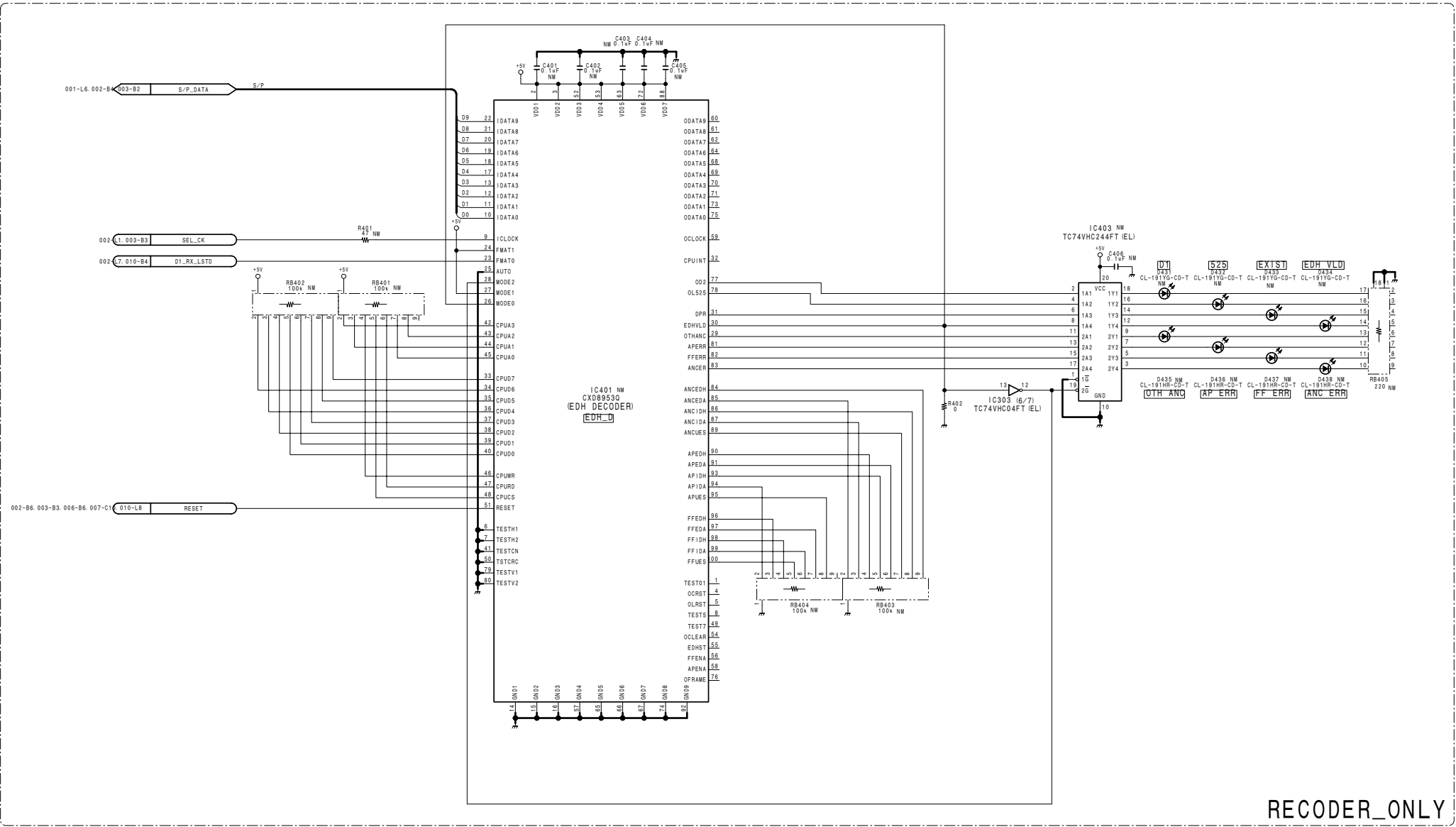
D1 Decoder of SDI Receiver DIF-16 BOARD (2/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J. UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500 (J. UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB
DVW-A500_DIF-16_006_2



Audio Timebase Expansion for SDI Receiver DIF-16 BOARD (3/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J. UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500 (J. UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB
DVW-A500_DIF-16_006_3

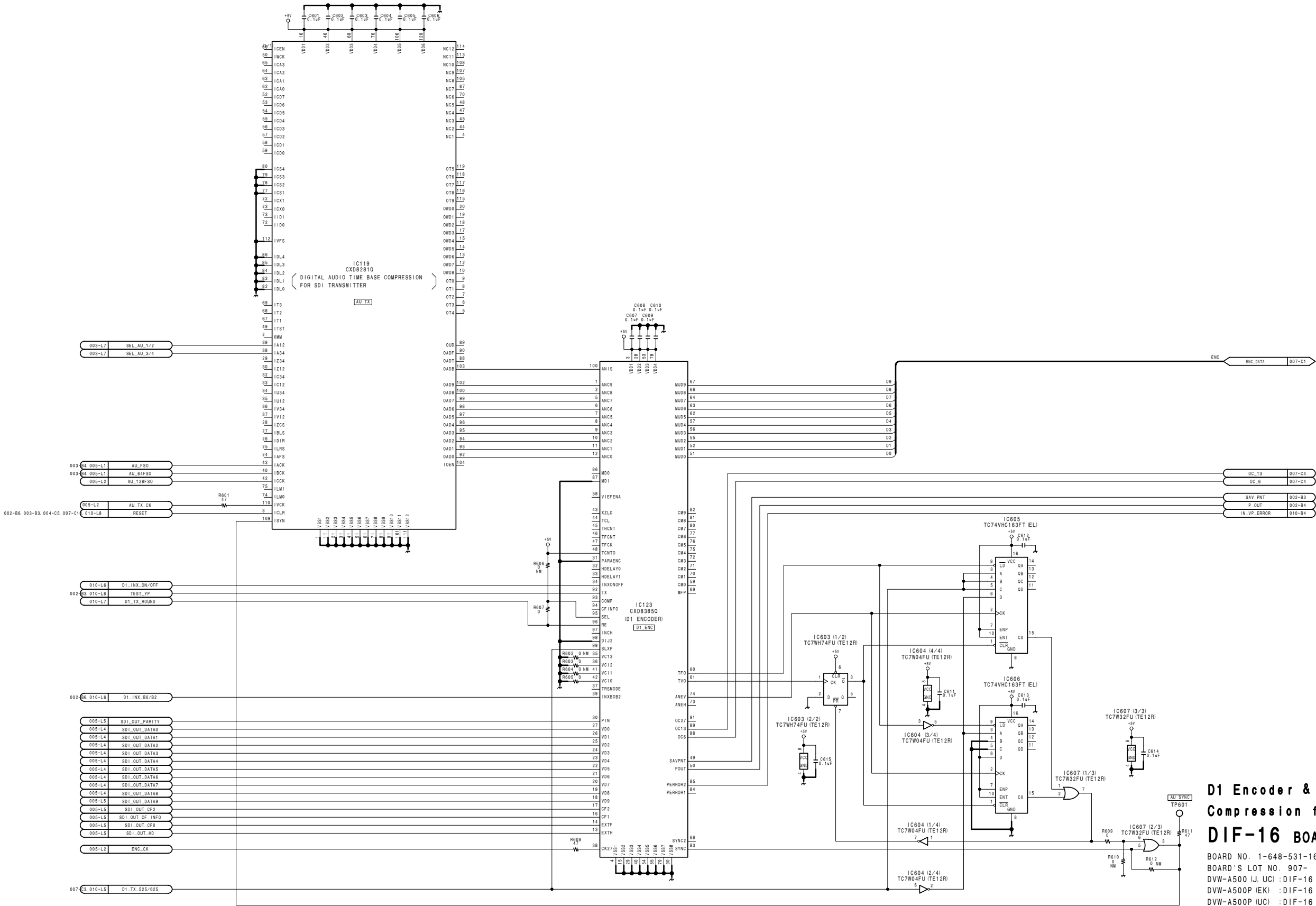


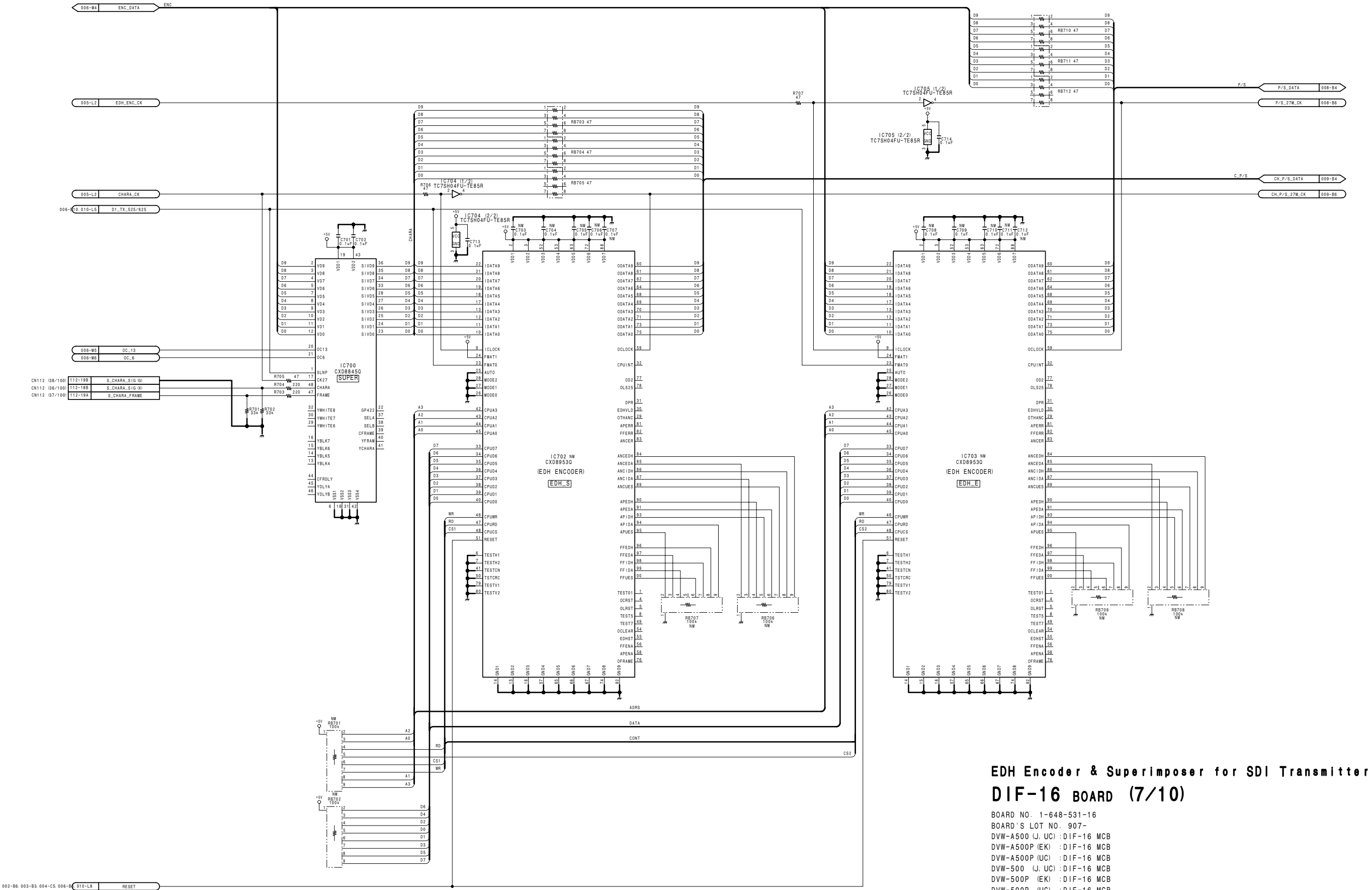
EDH Decoder of SDI Receiver
DIF-16 BOARD (4/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J, UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB
DVW-A500_DIF-16_006_4



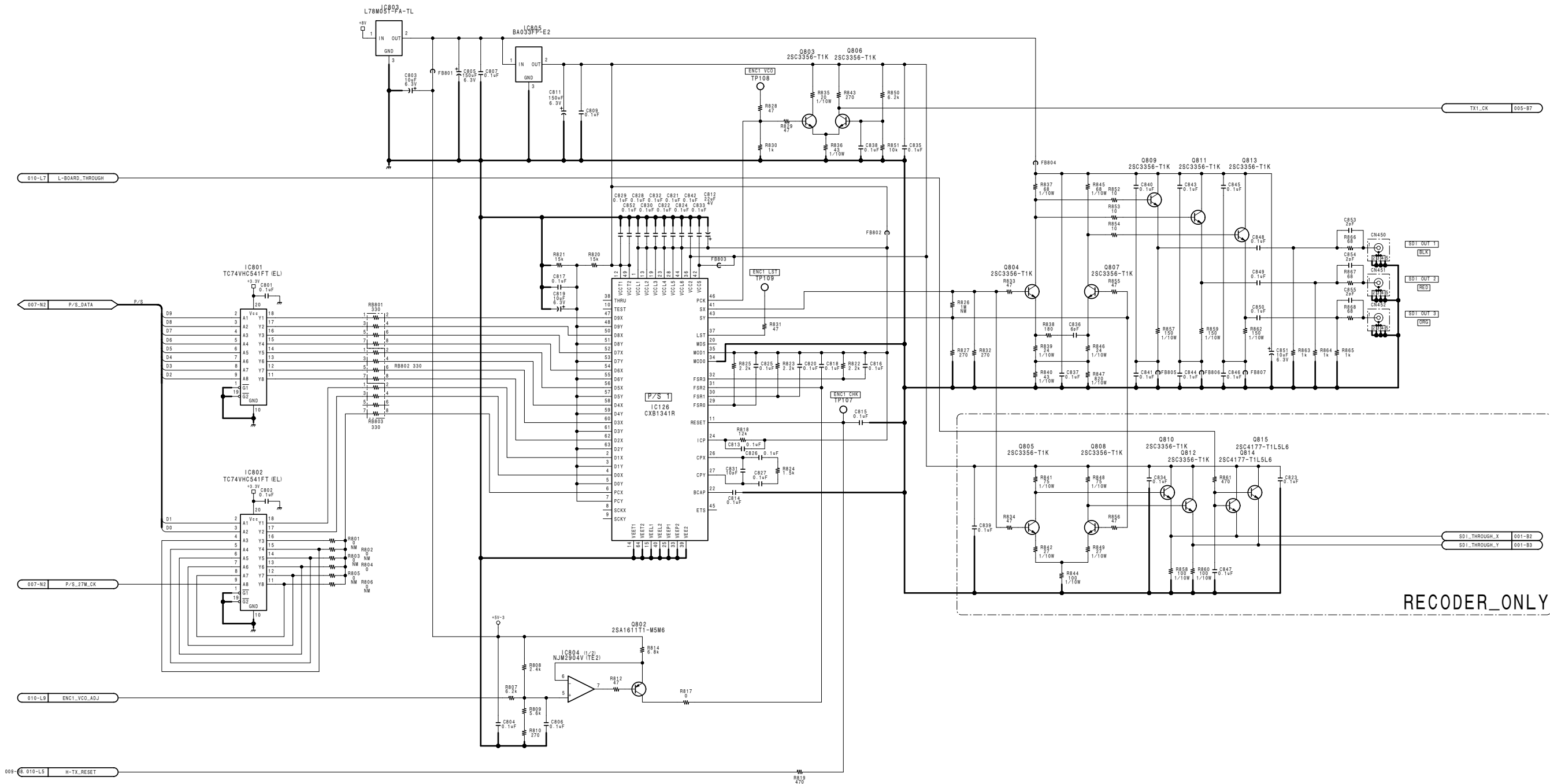
DVW-A500_DIF-16_006_5





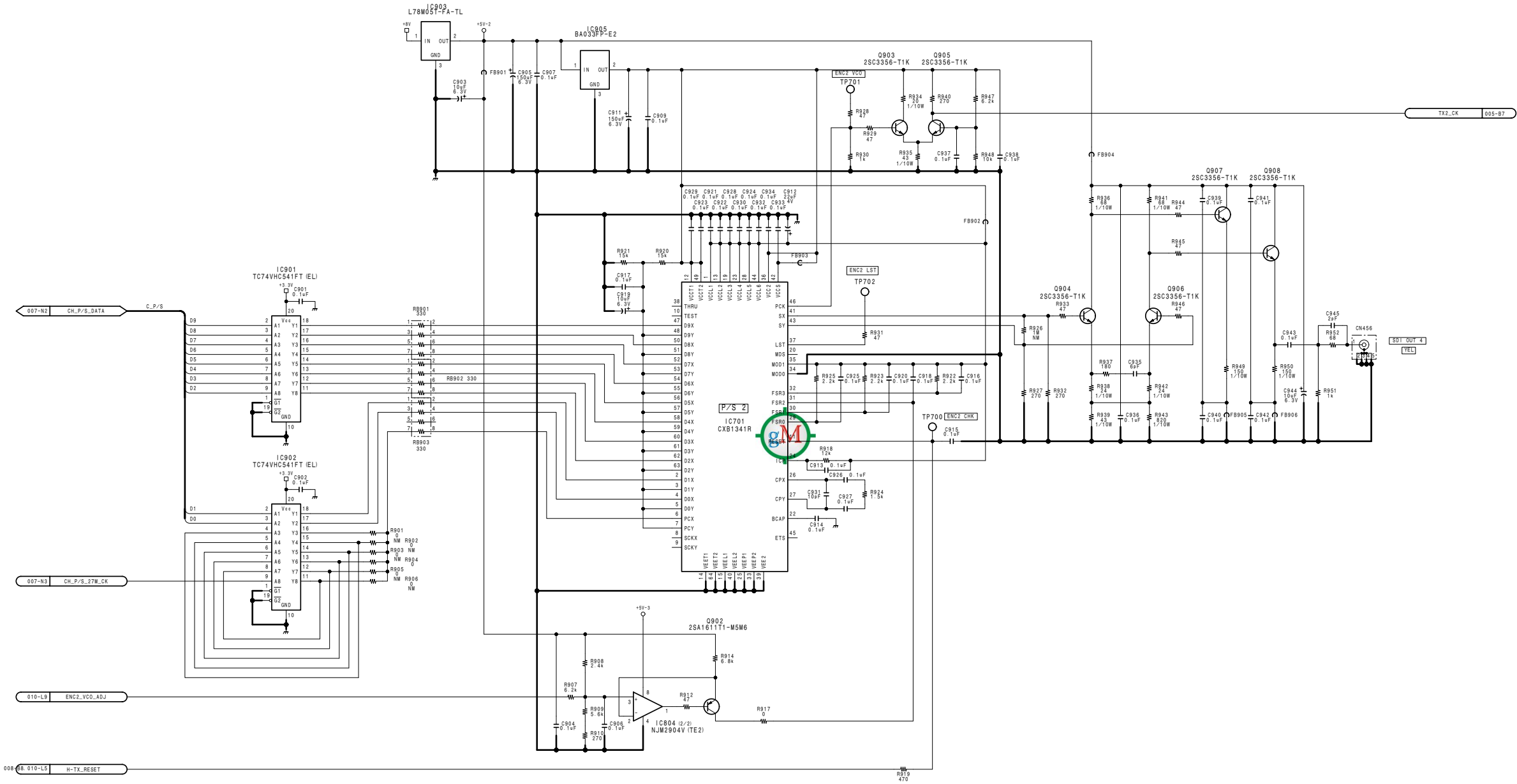
EDH Encoder & Superimposer for SDI Transmitter
DIF-16 BOARD (7/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J. UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500 (J. UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB
DVW-A500_DIF-16_006_7



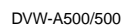
Parallel to Serial Converter of SDI Transmitter
DIF-16 BOARD (8/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J. UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500 (J. UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB
DVW-A500_DIF-16_006_8



Parallel to Serial Converter with
Superimpose of SDI Transmitter
DIF-16 BOARD (9/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J, UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB
DVW-A500_DIF-16_006_9



1-49 (c)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J. UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500 (J. UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB
DVW-A500_DIF-16_006_10

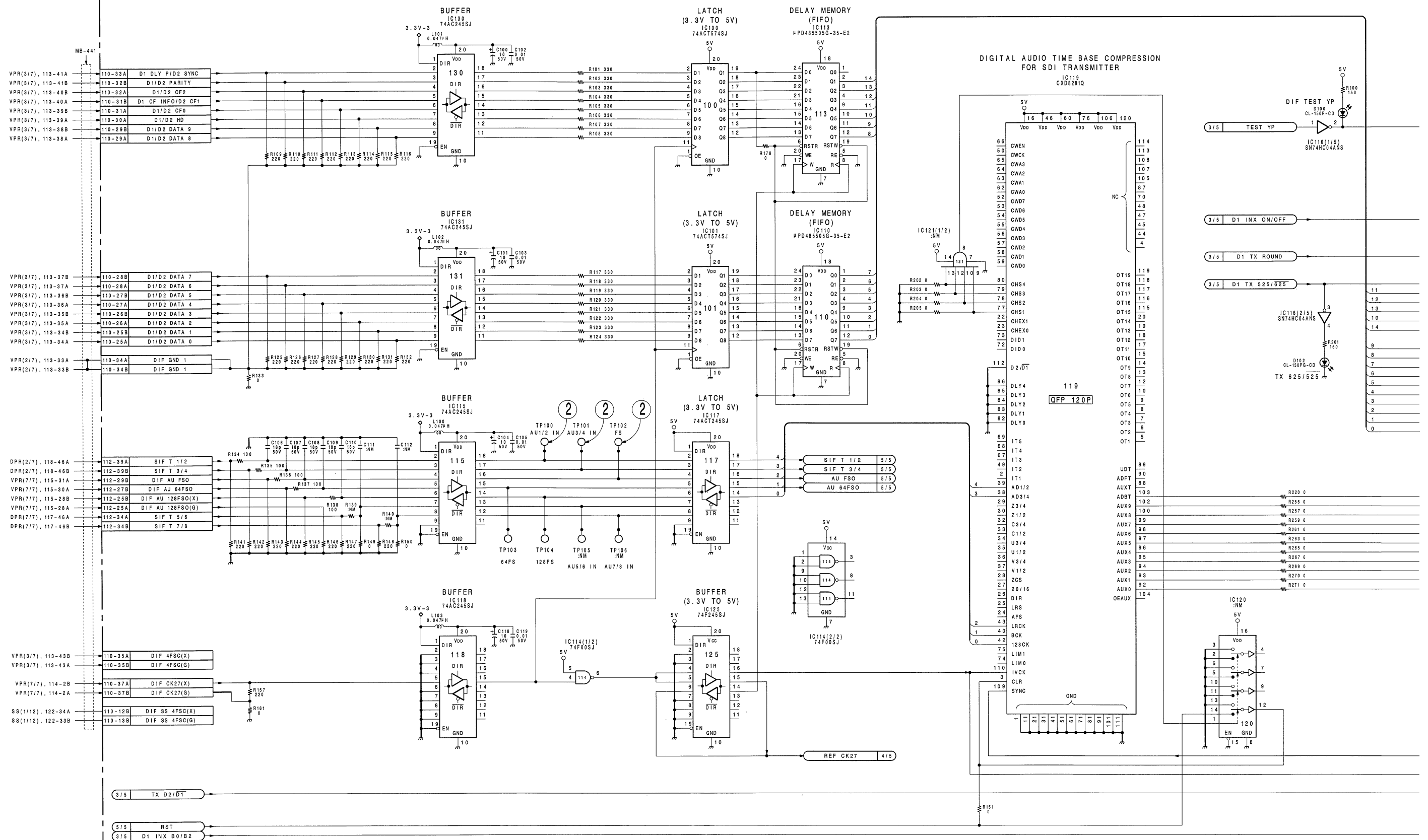
1

2

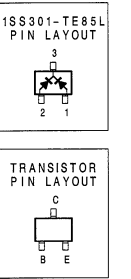
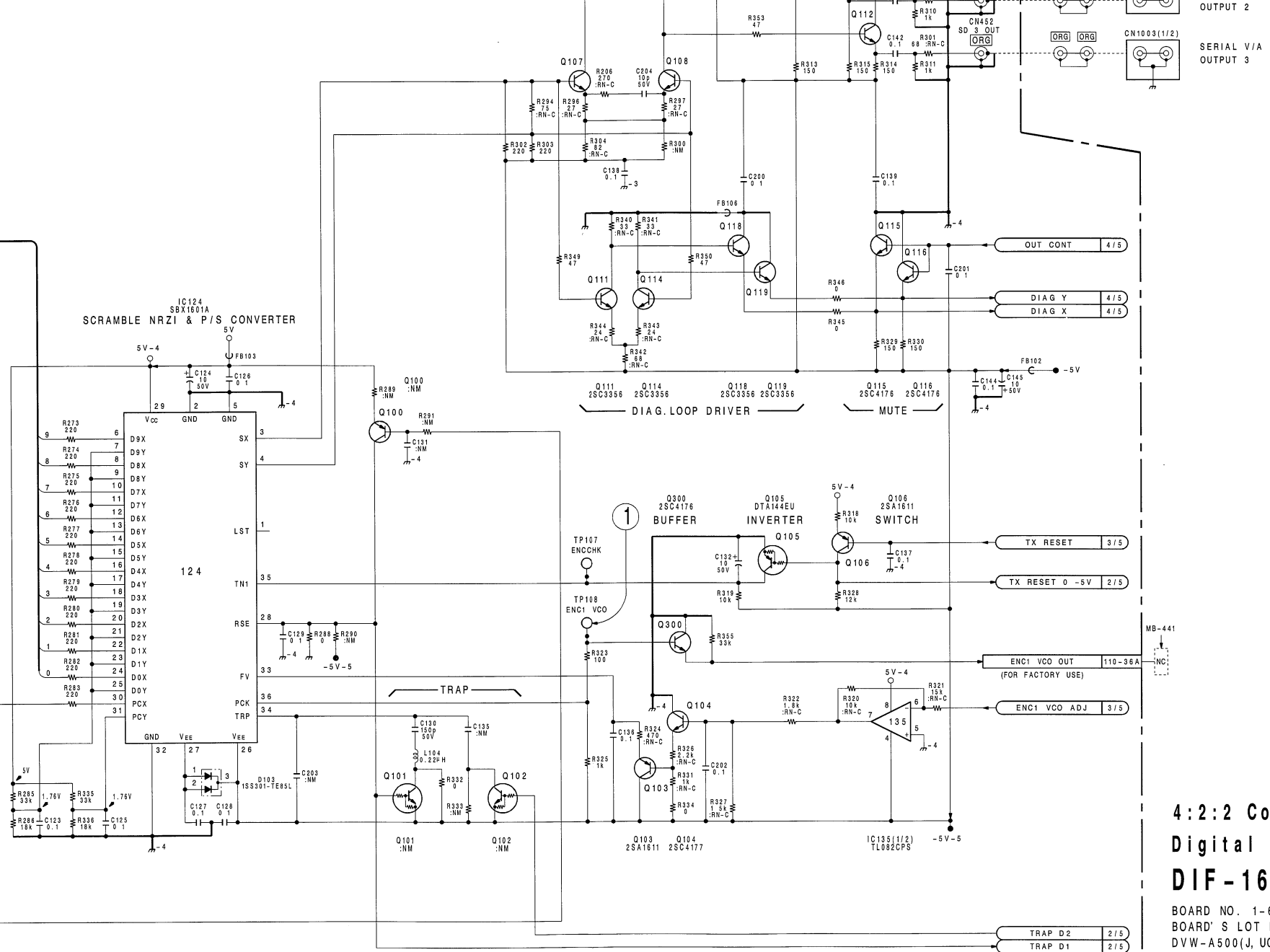
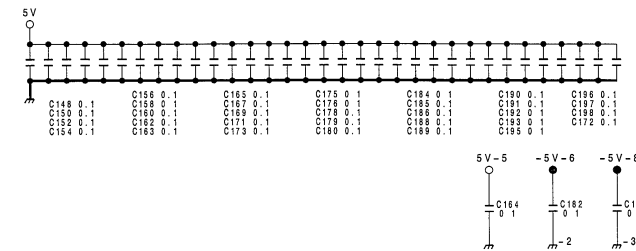
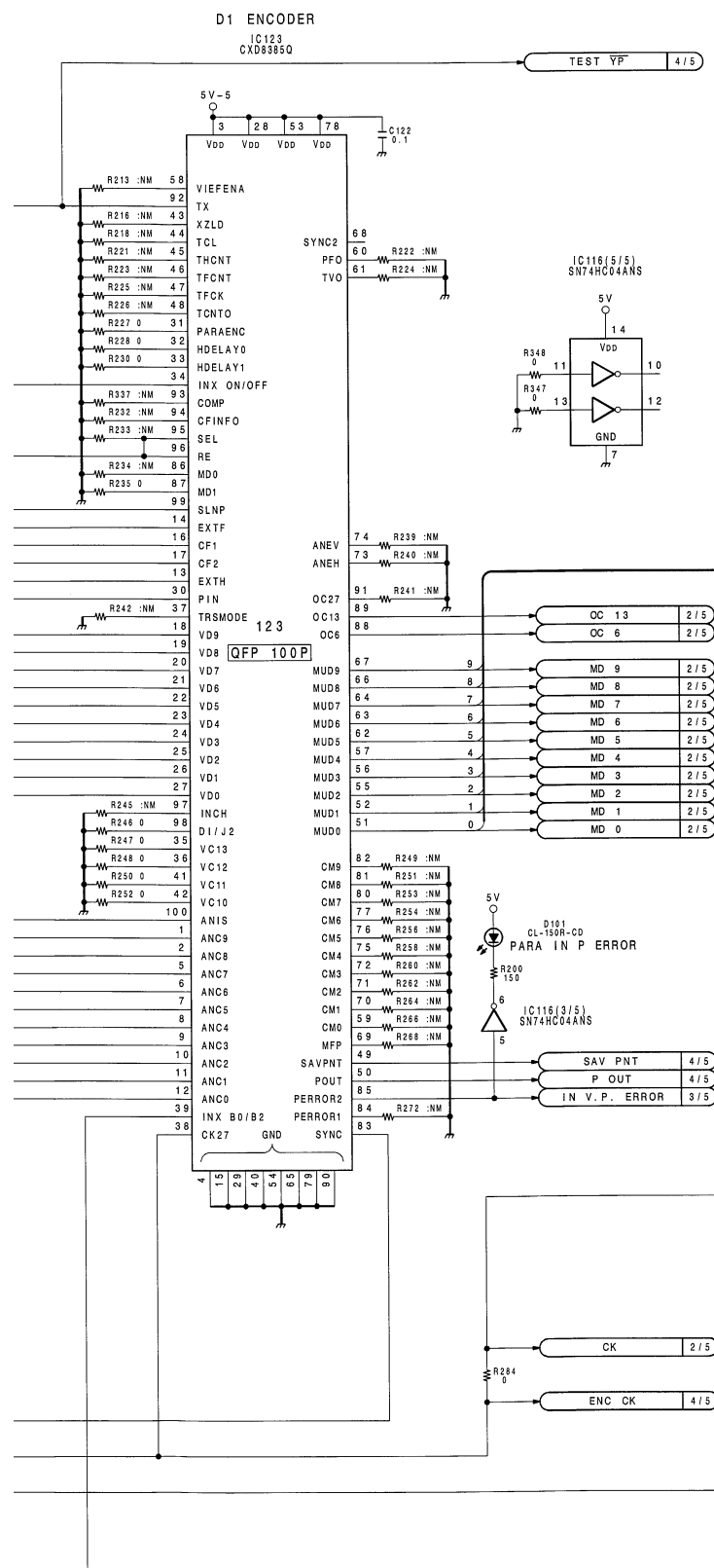
3

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5



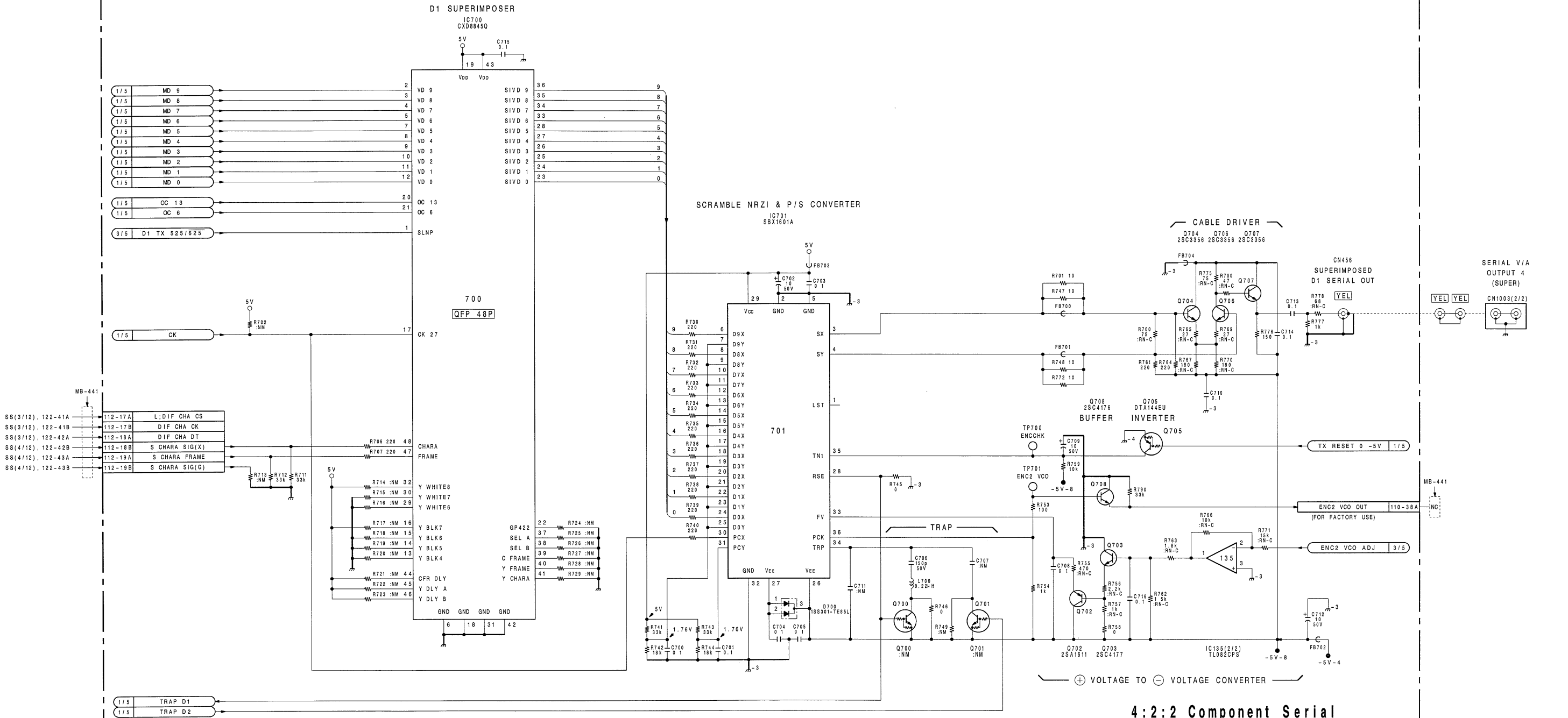
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



4:2:2 Component Serial
Digital Interface Transmitter
DIF-16 BOARD (1/5)

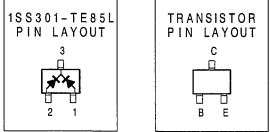
BOARD NO. 1-648-531-13
BOARD'S LOT NO. 411-906
DVW-A500(J, UC) : DIF-16 MCB
DVW-A500P(EK) : DIF-16P MCB
DVW-A500P(UC) : DIF-16PG MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16P MCB
DVW-500P (UC) : DIF-16PG MCB

DVW-DIF16-ALL-REC-S/M-04-B

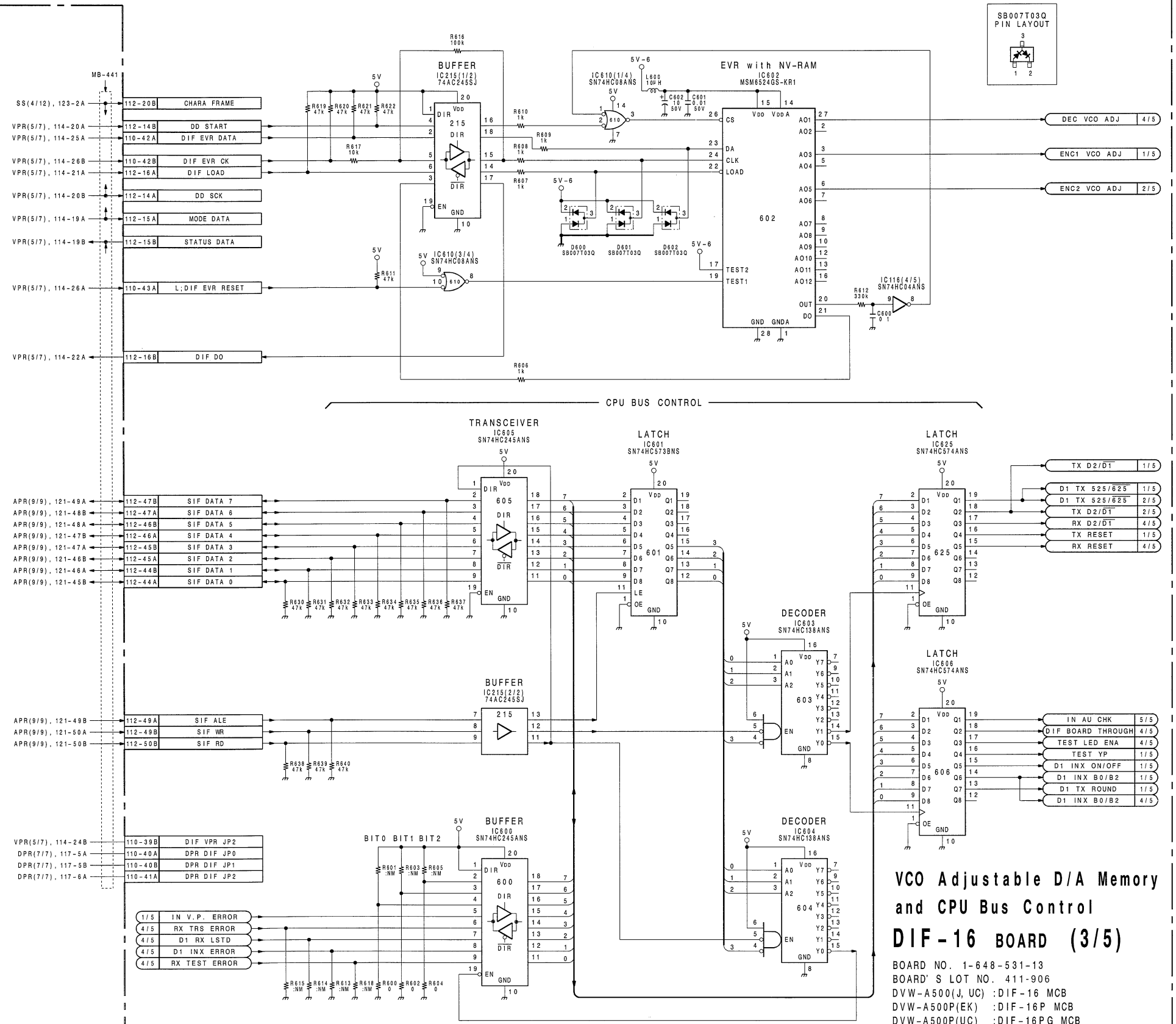
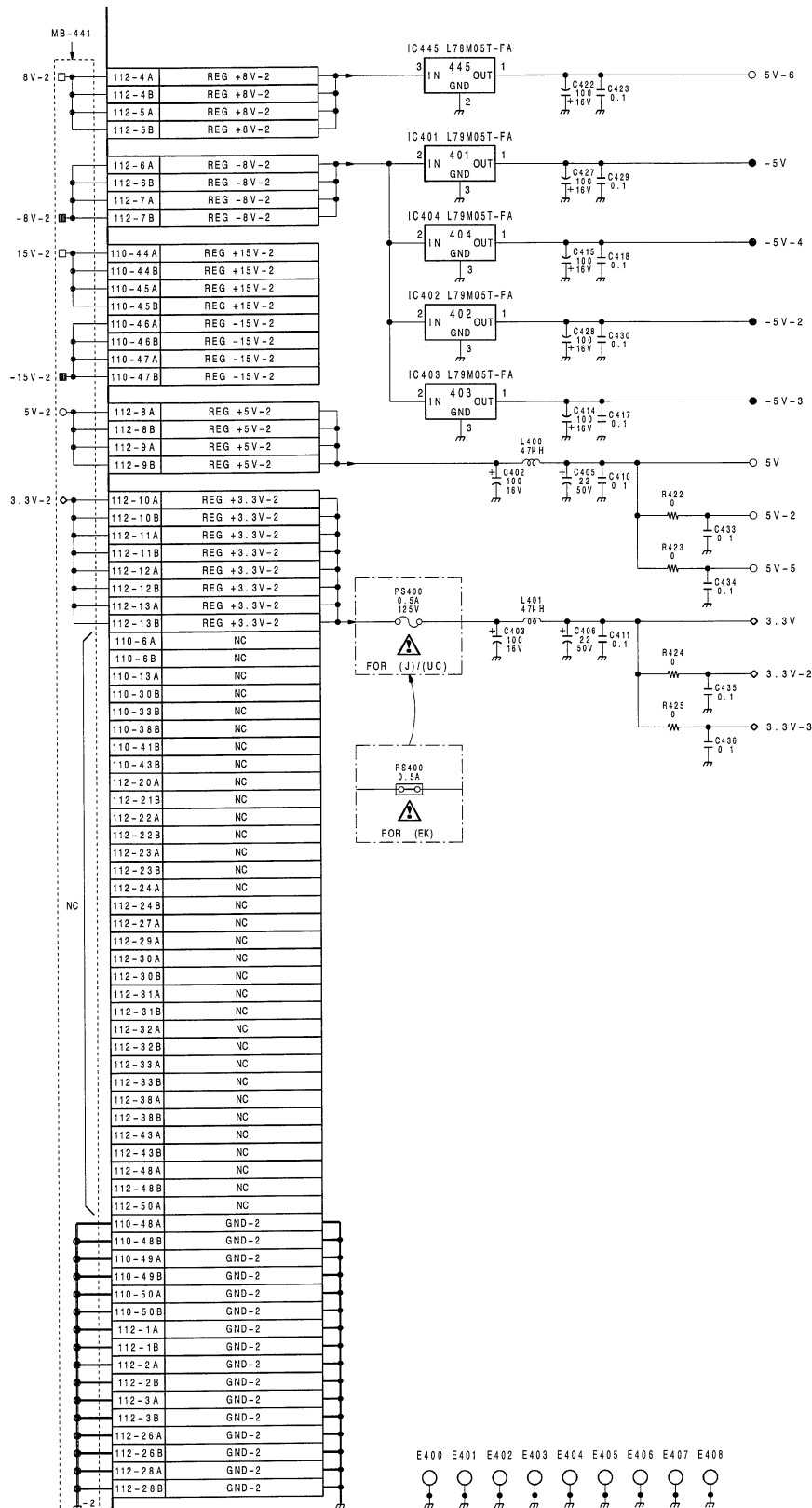


4:2:2 Component Serial
Digital Interface Transmitter
with Superimposer
DIF-16 BOARD (2/5)

BOARD NO. 1-648-531-13
BOARD'S LOT NO. 411-906
DVW-A500(J, UC) : DIF-16 MCB
DVW-A500P(EK) : DIF-16P MCB
DVW-A500P(UC) : DIF-16PG MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16P MCB
DVW-500P (UC) : DIF-16PG MCB
[DVW-DIF16-ALL-REC-S/M-04-B]



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



VCO Adjustable D/A Memory
and CPU Bus Control
DIF-16 BOARD (3/5)

BOARD NO. 1-648-531-13
BOARD'S LOT NO. 411-906
DVW-A500(J, UC) : DIF-16 MCB
DVW-A500P(EK) : DIF-16P MCB
DVW-A500P(UC) : DIF-16PG MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16P MCB
DVW-500P (UC) : DIF-16PG MCB
[DVW-DIF16-ALL-REC-S/M-04-B]

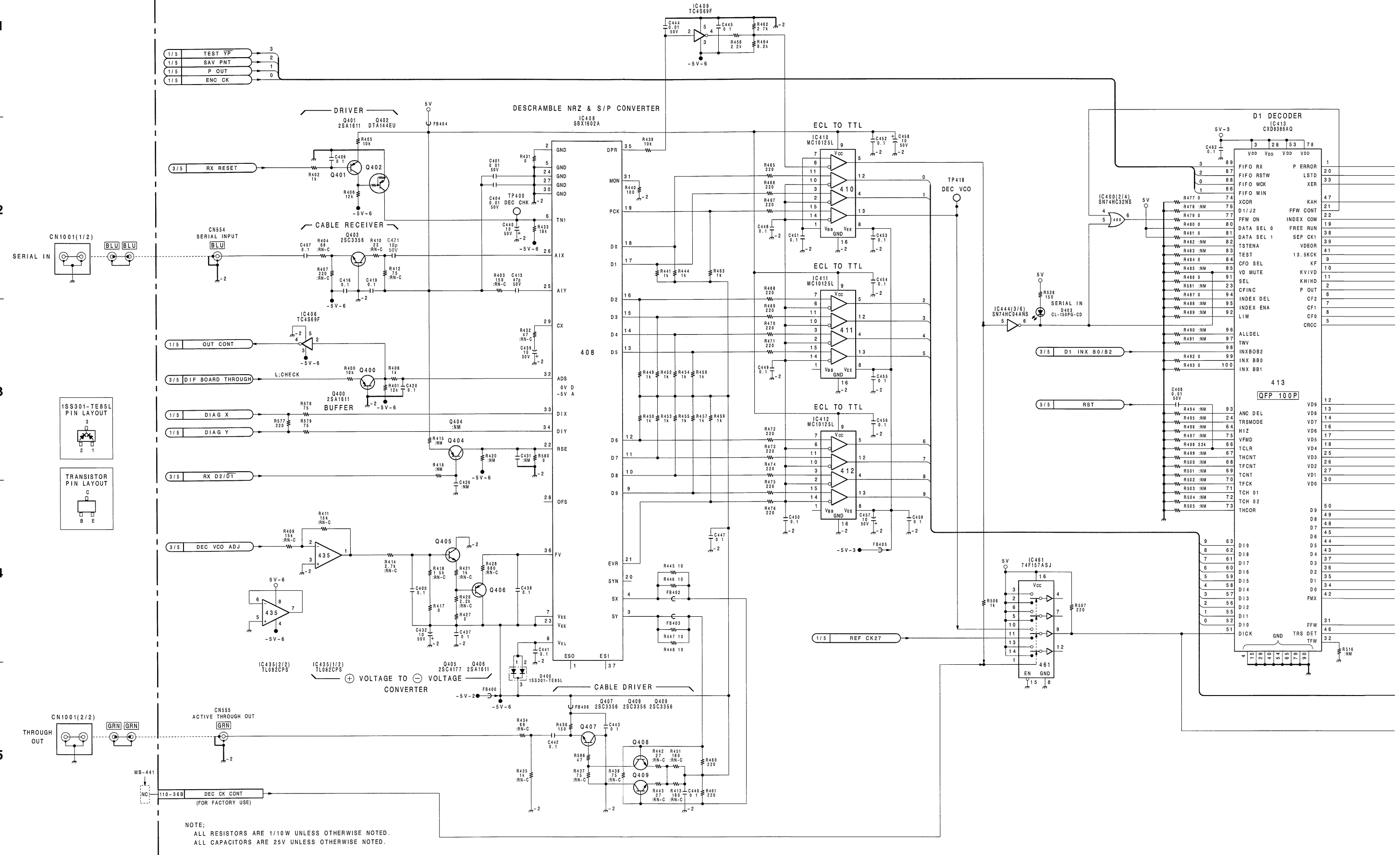
1

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3

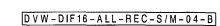
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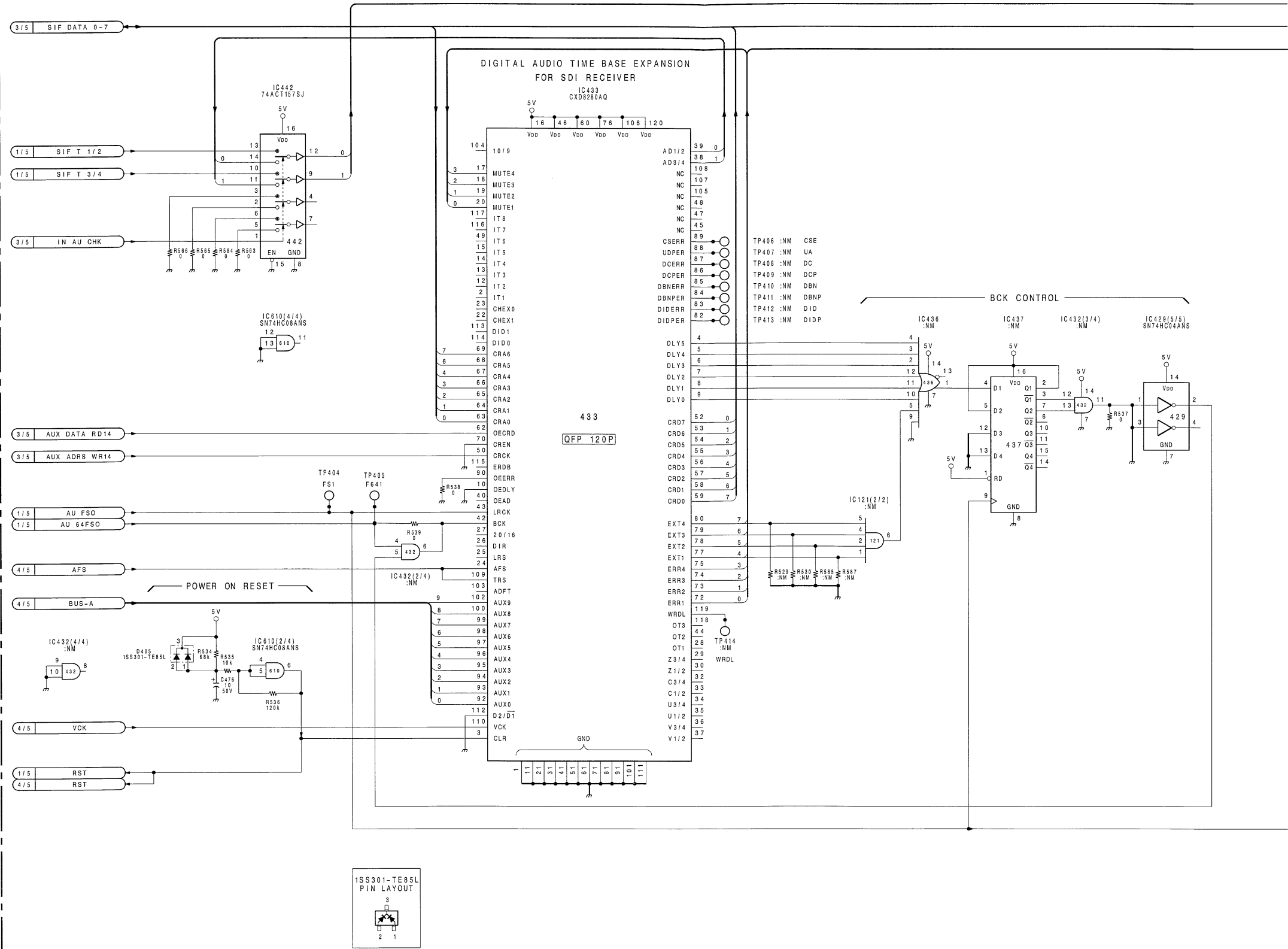
5



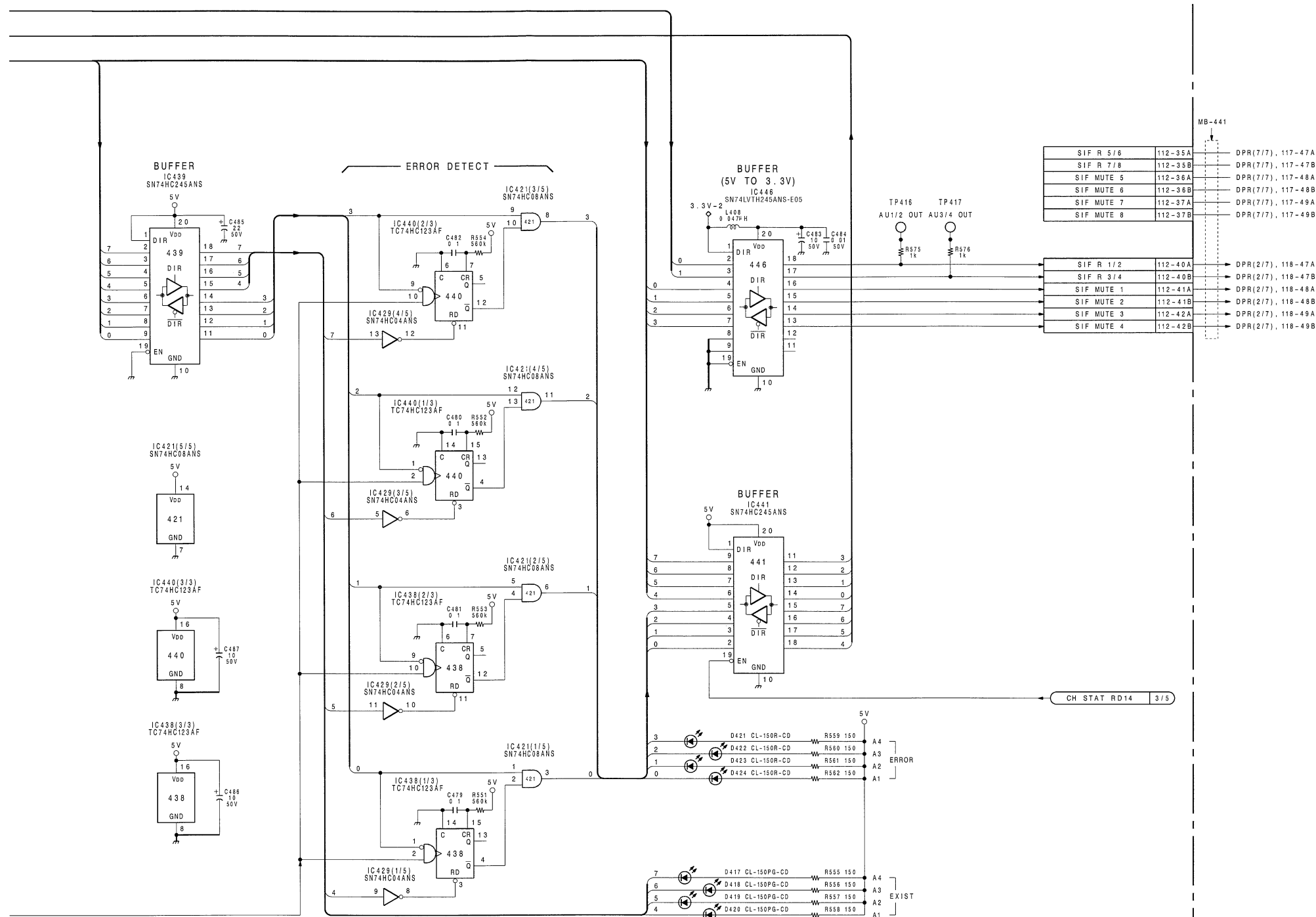
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

A B C D E F G H





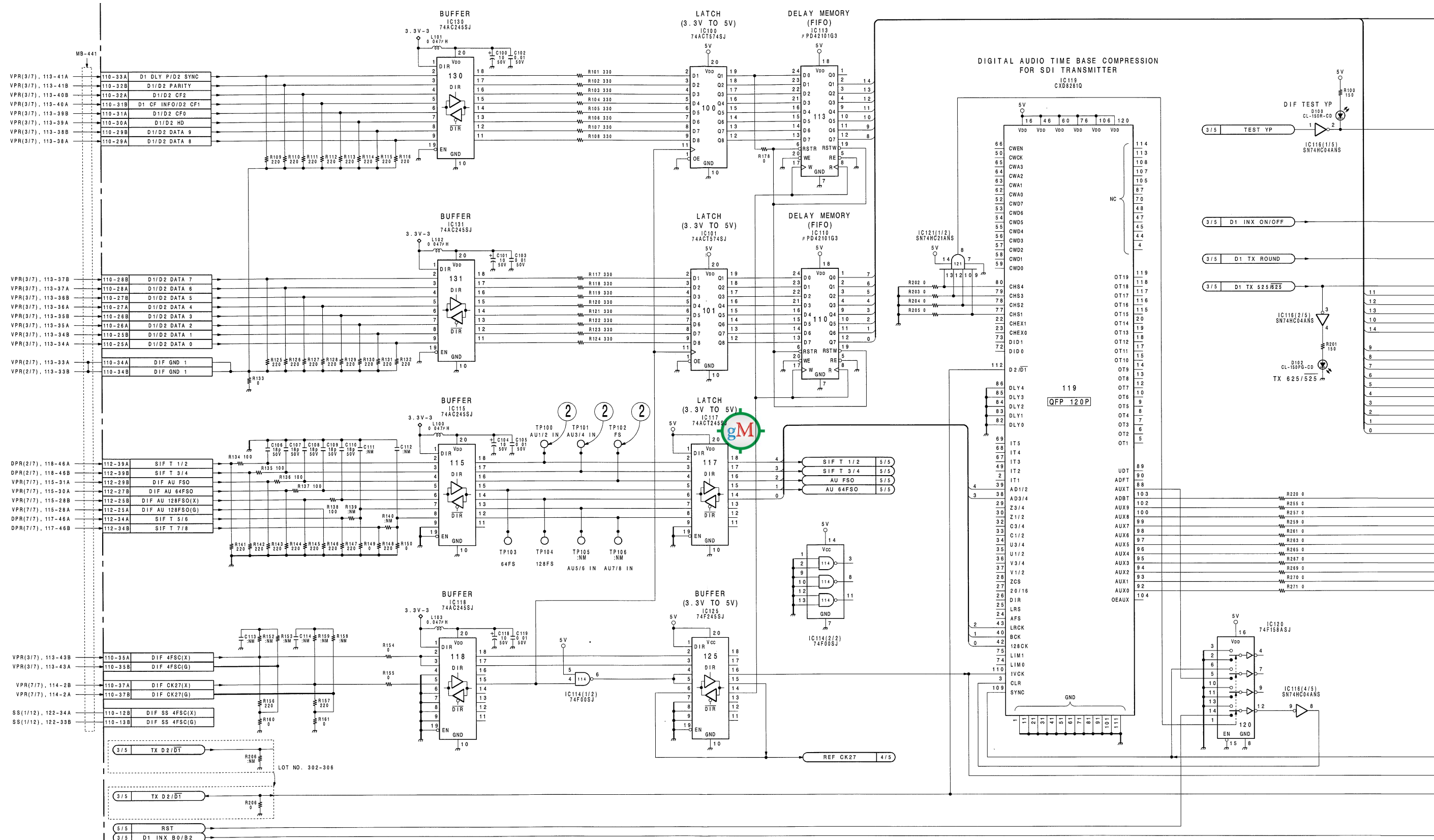
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



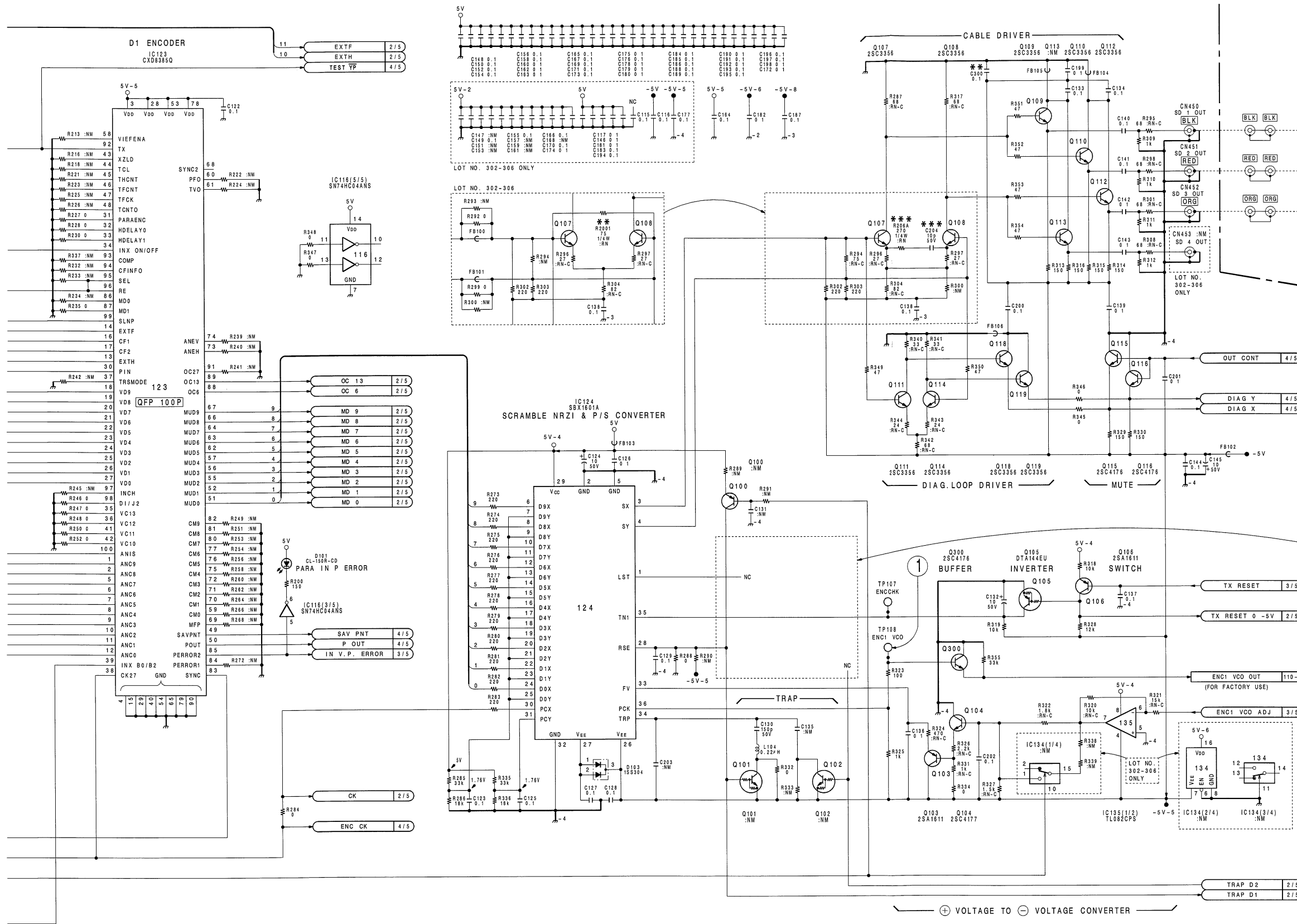
Digital Audio Timebase Expansion for 4:2:2 Component Serial Digital Interface Receiver **DIF-16 BOARD (5/5)**

BOARD NO. 1-648-531-13
BOARD'S LOT NO. 411-906
DVW-A500(J, UC) :DIF-16 MCB
DVW-A500P(EK) :DIF-16P MCB
DVW-A500P(UC) :DIF-16PG MCB
DVW-500 (J, UC) :DIF-16 MCB
DVW-500P (EK) :DIF-16P MCB
DVW-500P (UC) :DIF-16PG MCB

DVW-DIF16-ALL-REC-S/M-04-B



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



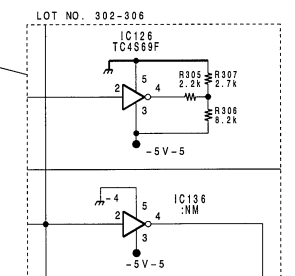
The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board(of the following board No.) with silk screen.

DIF-16 BOARD :1-648-531-11

The Ref.Nos.marked with *** are not printed on the printed circuit board(of the following board No.) with silk screen.

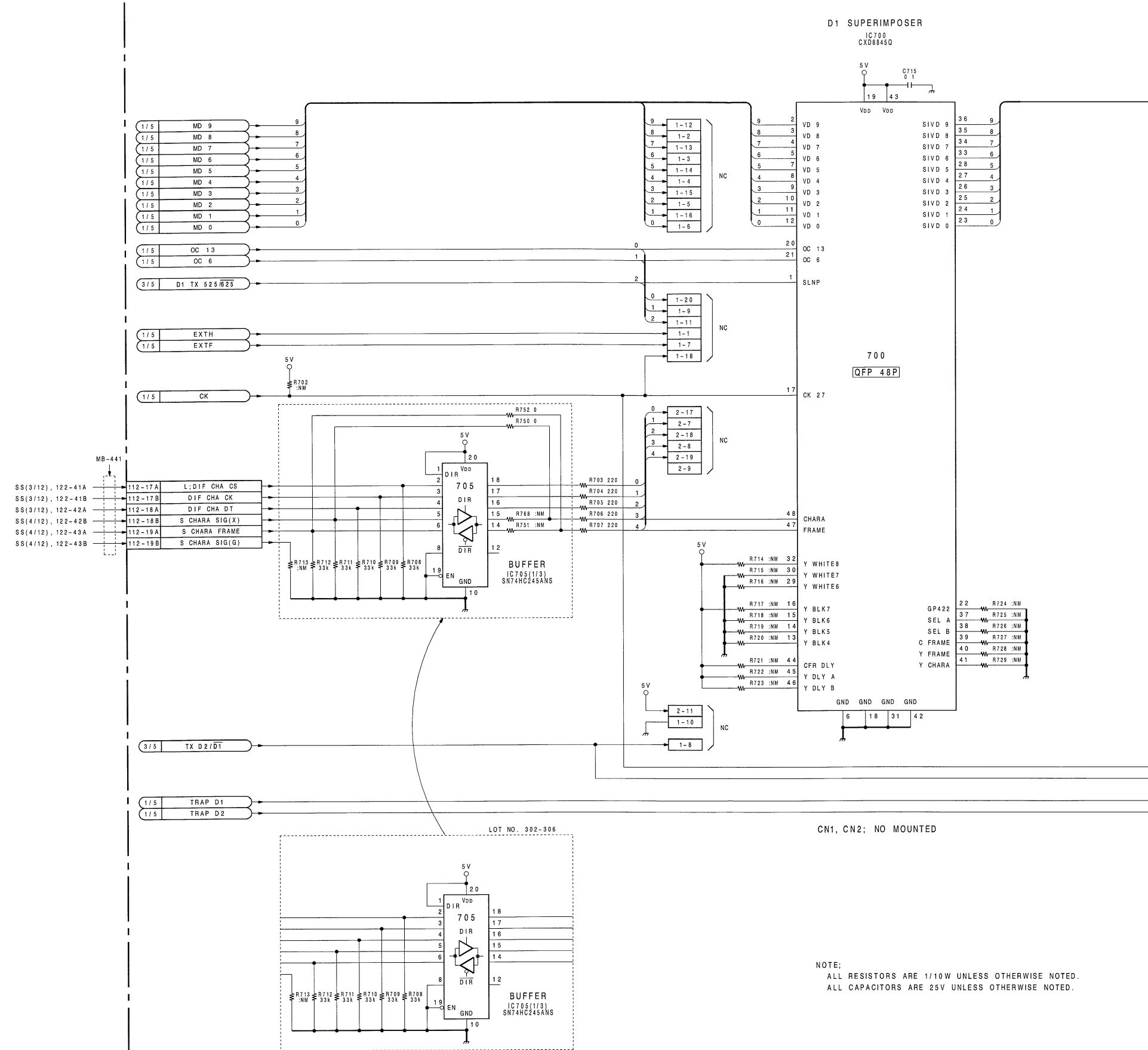
DIF-16 BOARD :1-648-531-12

LOT NO.	BOARD NO.
302-306	1-648-531-11
307-410	1-648-531-12



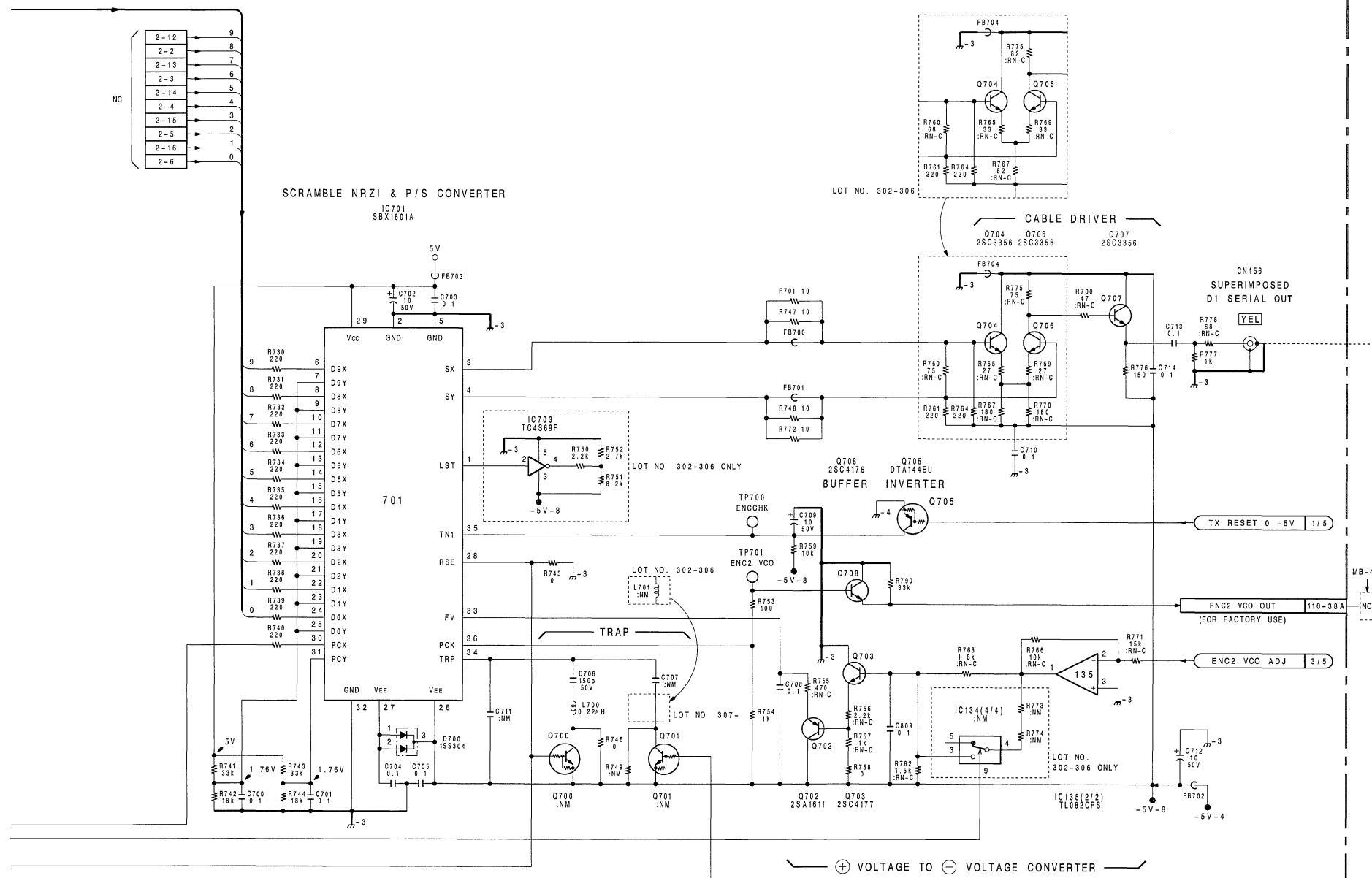
4:2:2 Component Serial Digital Interface Transmitter DIF-16 BOARD (1/5)

BOARD NO. 1-648-531-11, 12
 BOARD' S LOT NO. 302-410
 DVW-A500(J, UC) :DIF-16 MCB
 DVW-A500P(EK) :DIF-16P MCB
 DVW-A500P(UC) :DIF-16PG MCB
 DVW-500 (J, UC) :DIF-16 MCB
 DVW-500P (EK) :DIF-16P MCB
 DVW-500P (UC) :DIF-16PG MCB
 DVW-DIF16-ALL-REC-S/M-04-A



1-42 (a)

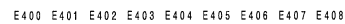
1-42 (a)

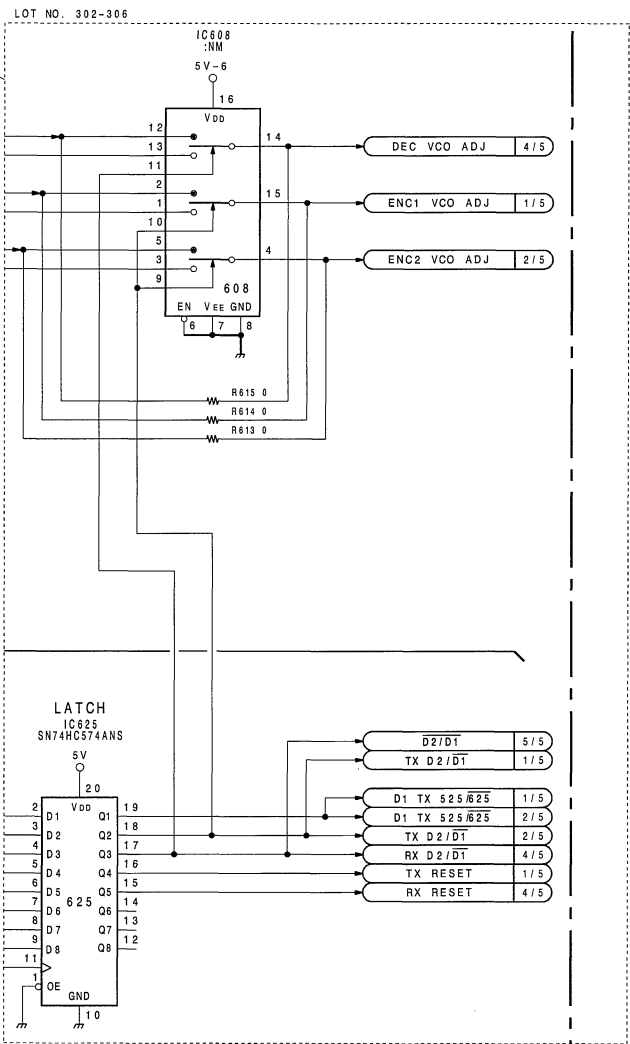
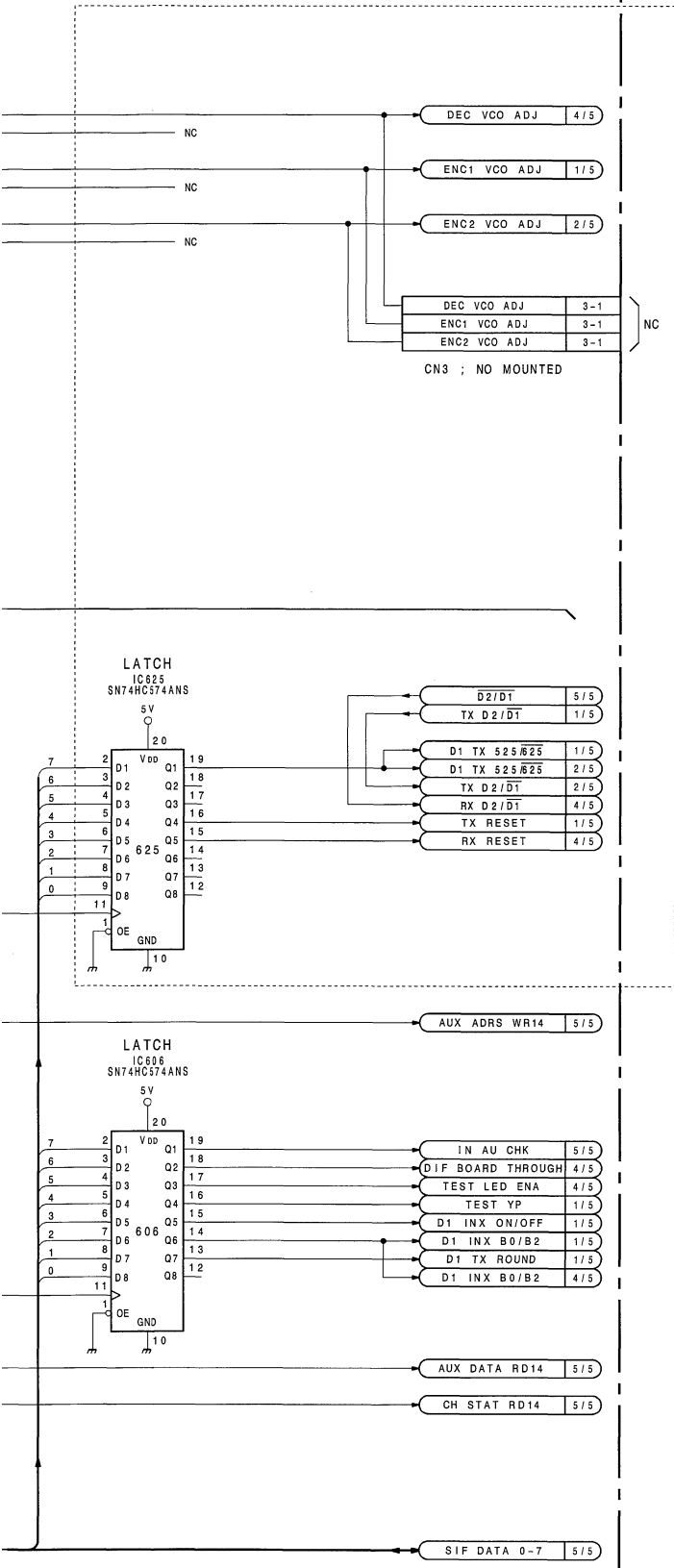
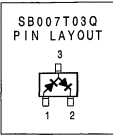


4:2:2 Component Serial Digital Interface Transmitter with Superimposer DIF-16 BOARD (2/5)

BOARD NO. 1-648-531-11, 12
BOARD'S LOT NO. 302-410
DVW-A500(J, UC) :DIF-16 MCB
DVW-A500P(EK) :DIF-16P MCB
DVW-A500P(UC) :DIF-16PG MCB
DVW-500 (J, UC) :DIF-16 MCB
DVW-500P (EK) :DIF-16P MCB
DVW-500P (UC) :DIF-16PG MCB

DVW-DIF16-ALL-REC-S/M-04-A





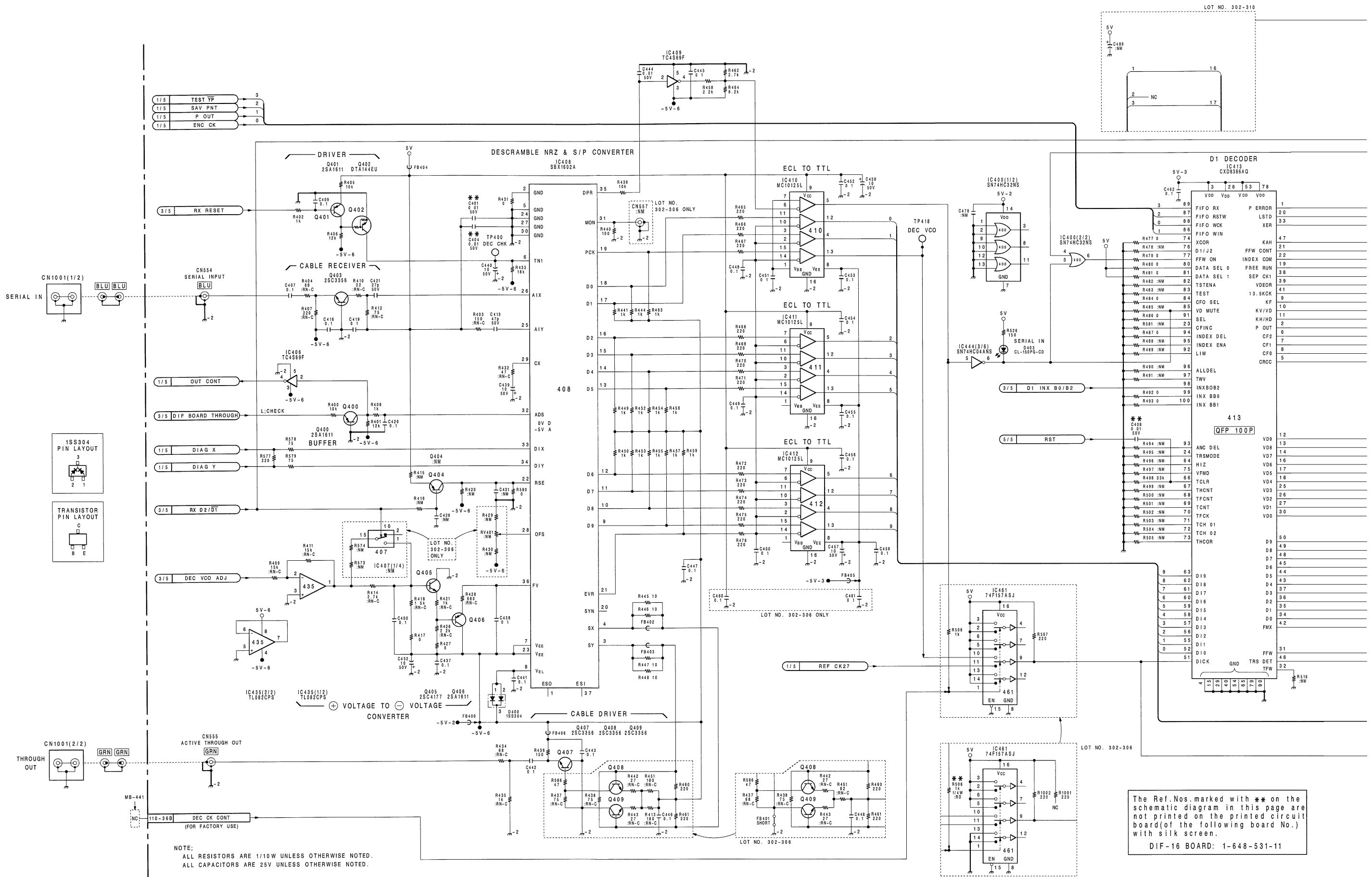
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

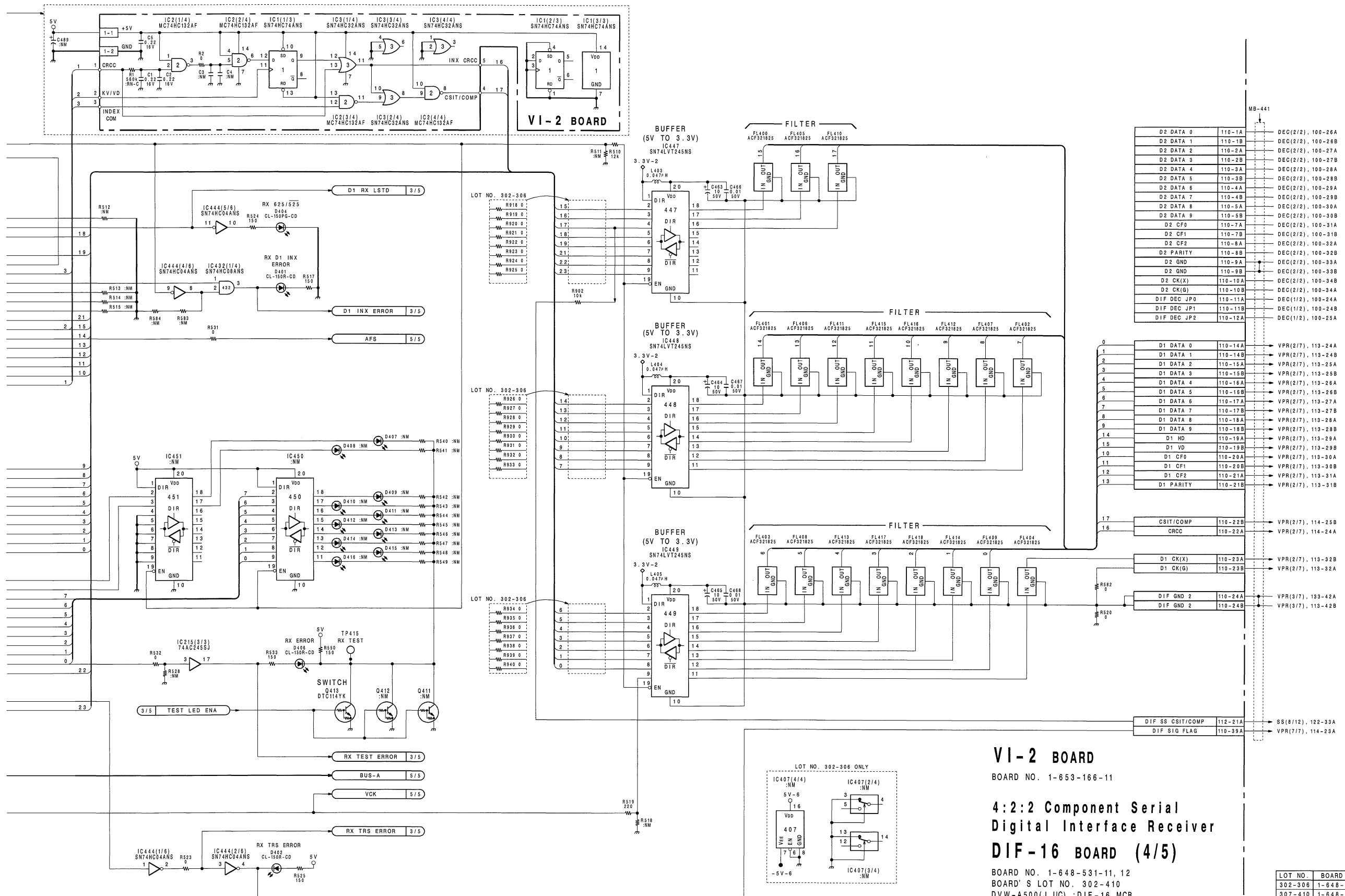
LOT NO.	BOARD NO.
302-306	1-648-531-11
307-410	1-648-531-12

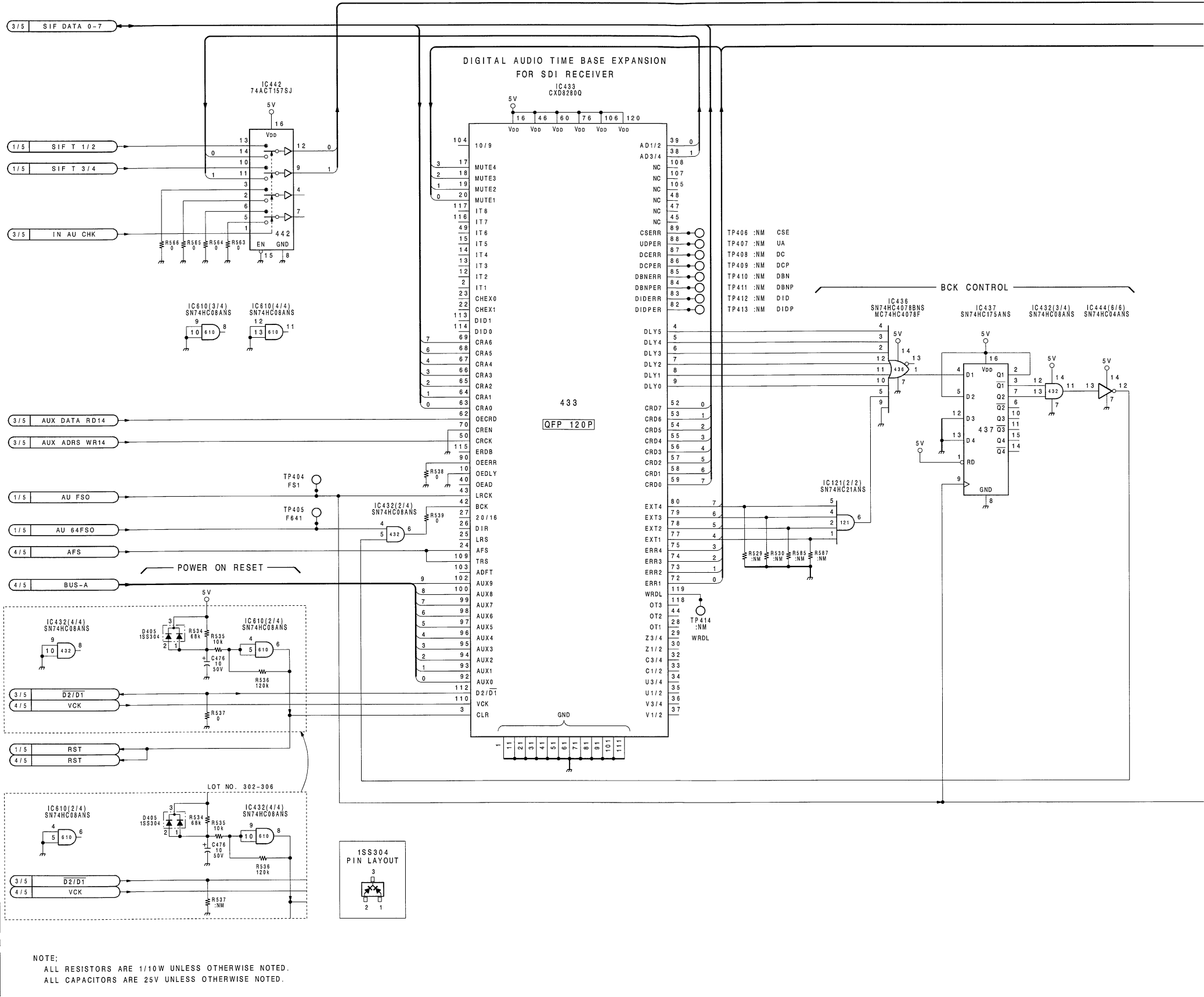
VCO Adjustable D/A Memory and CPU Bus Control DIF-16 BOARD (3/5)

BOARD NO. 1-648-531-11, 12
BOARD'S LOT NO. 302-410
DVW-A500(J, UC) : DIF-16 MCB
DVW-A500P(EK) : DIF-16P MCB
DVW-A500P(UC) : DIF-16PG MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16P MCB
DVW-500P (UC) : DIF-16PG MCB

DVW-DIF16-ALL-REC-S/M-04-A

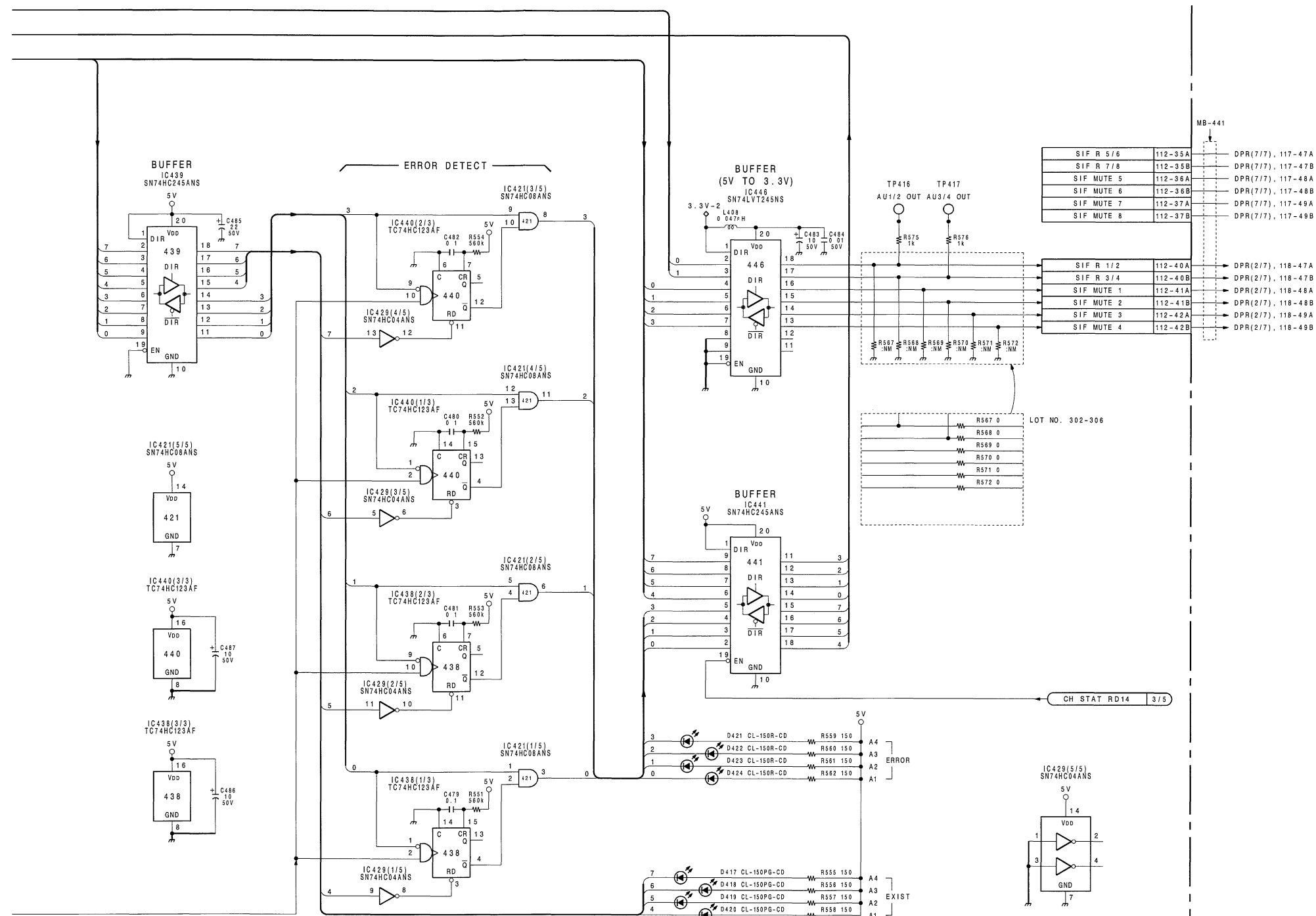






1-48 (a)

1-48 (a)

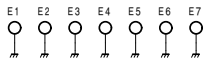
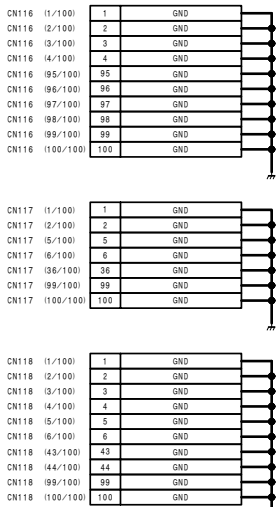
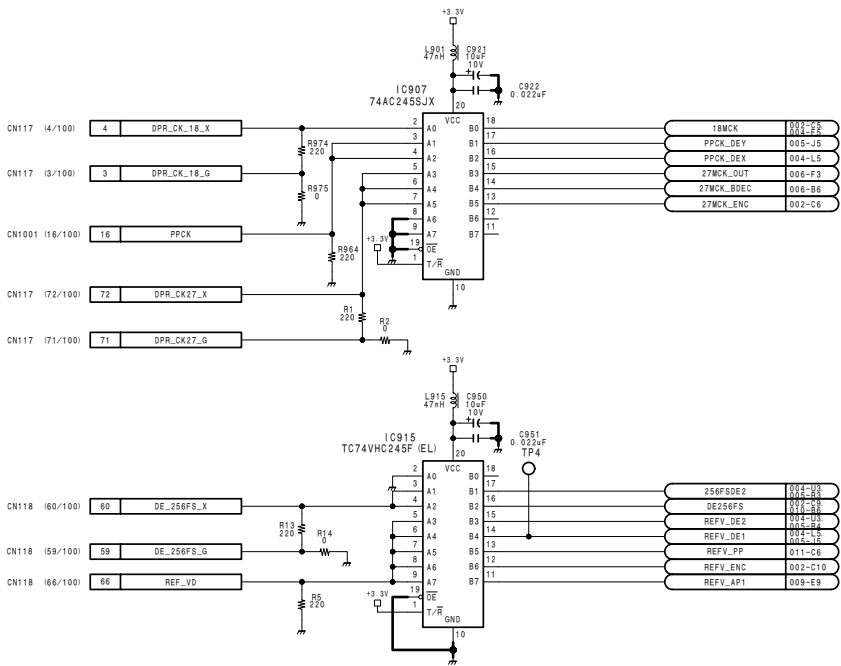
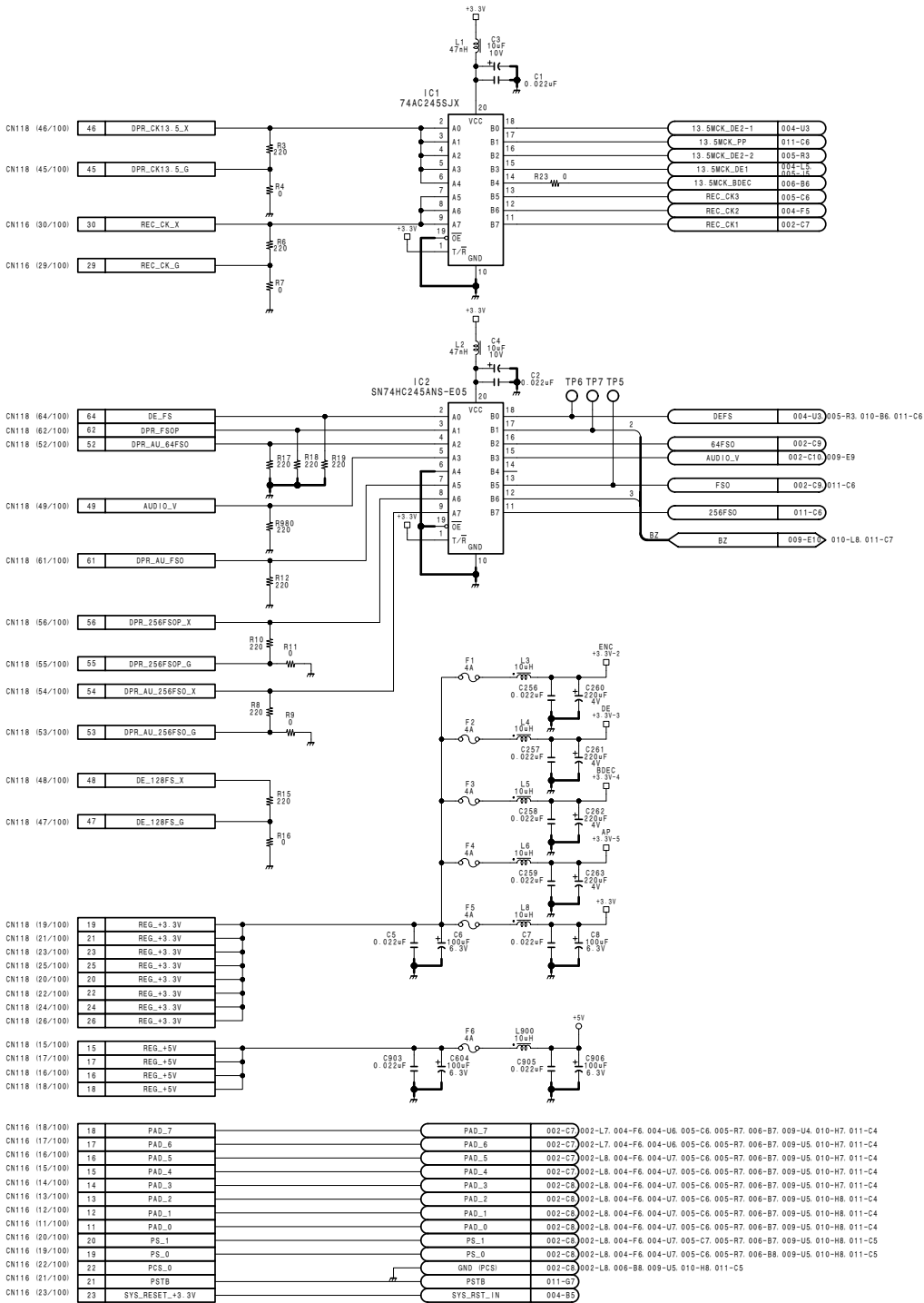


Digital Audio Timebase Expansion
for 4:2:2 Component Serial
Digital Interface Receiver
DIF-16 BOARD (5/5)

BOARD NO. 1-648-531-11, 12
BOARD'S LOT NO. 302-410
DVW-A500(J, UC) : DIF-16 MCB
DVW-A500P(EK) : DIF-16P MCB
DVW-A500P(UC) : DIF-16PG MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16P MCB
DVW-500P (UC) : DIF-16PG MCB

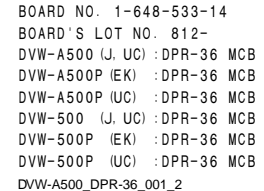
DVW-DIF16-ALL-REC-S/M-04-A

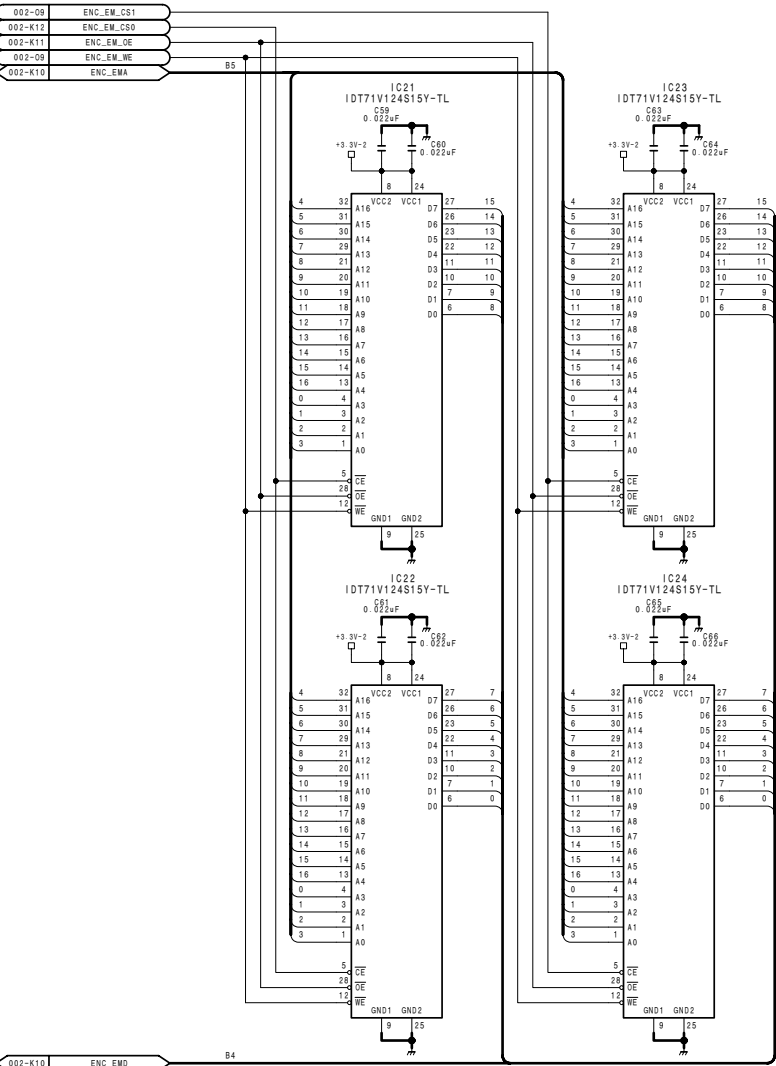
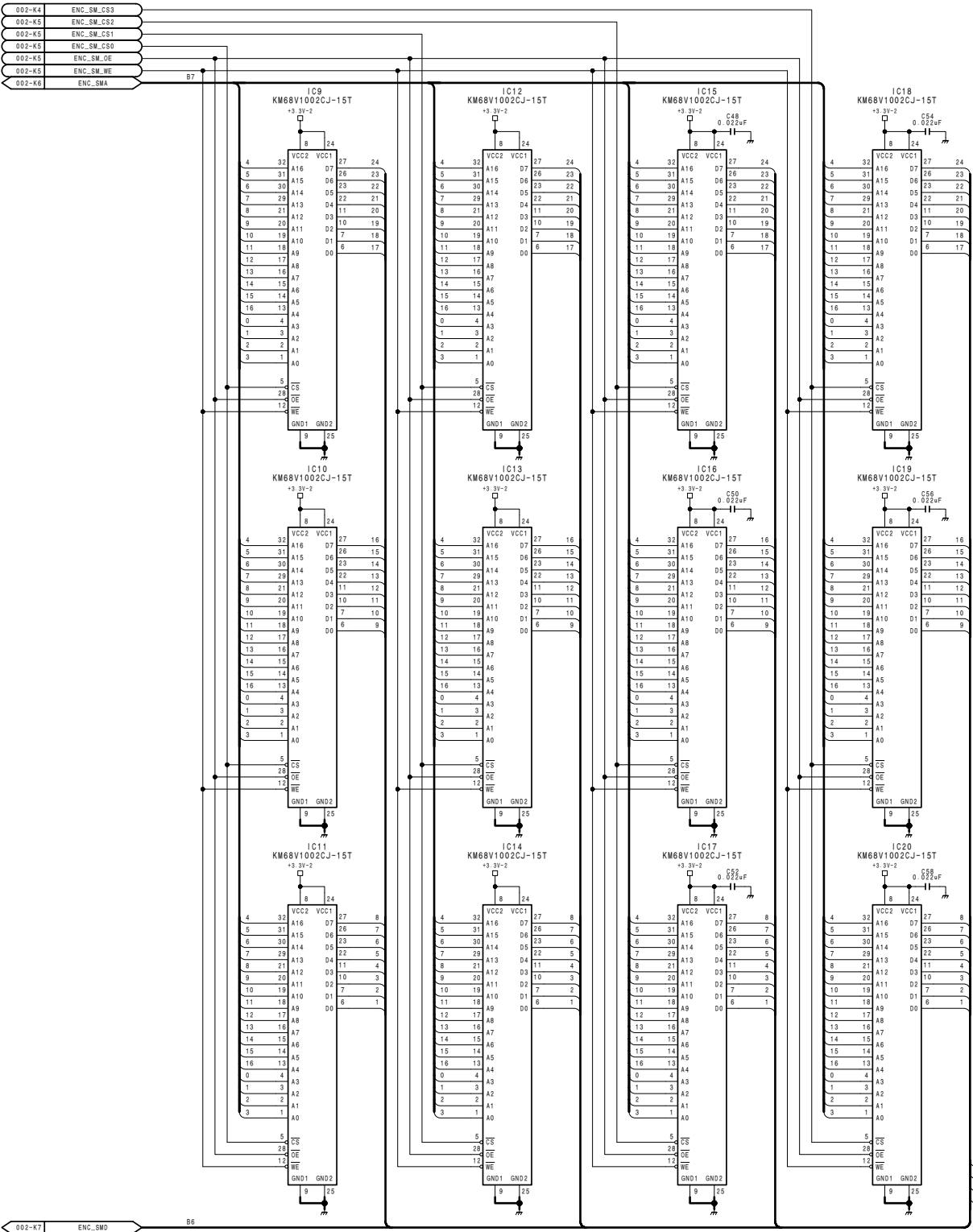
LOT NO.	BOARD NO.
302-306	1-648-531-11
307-410	1-648-531-12



Digital Process System Control DPR-36 BOARD (1/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_1

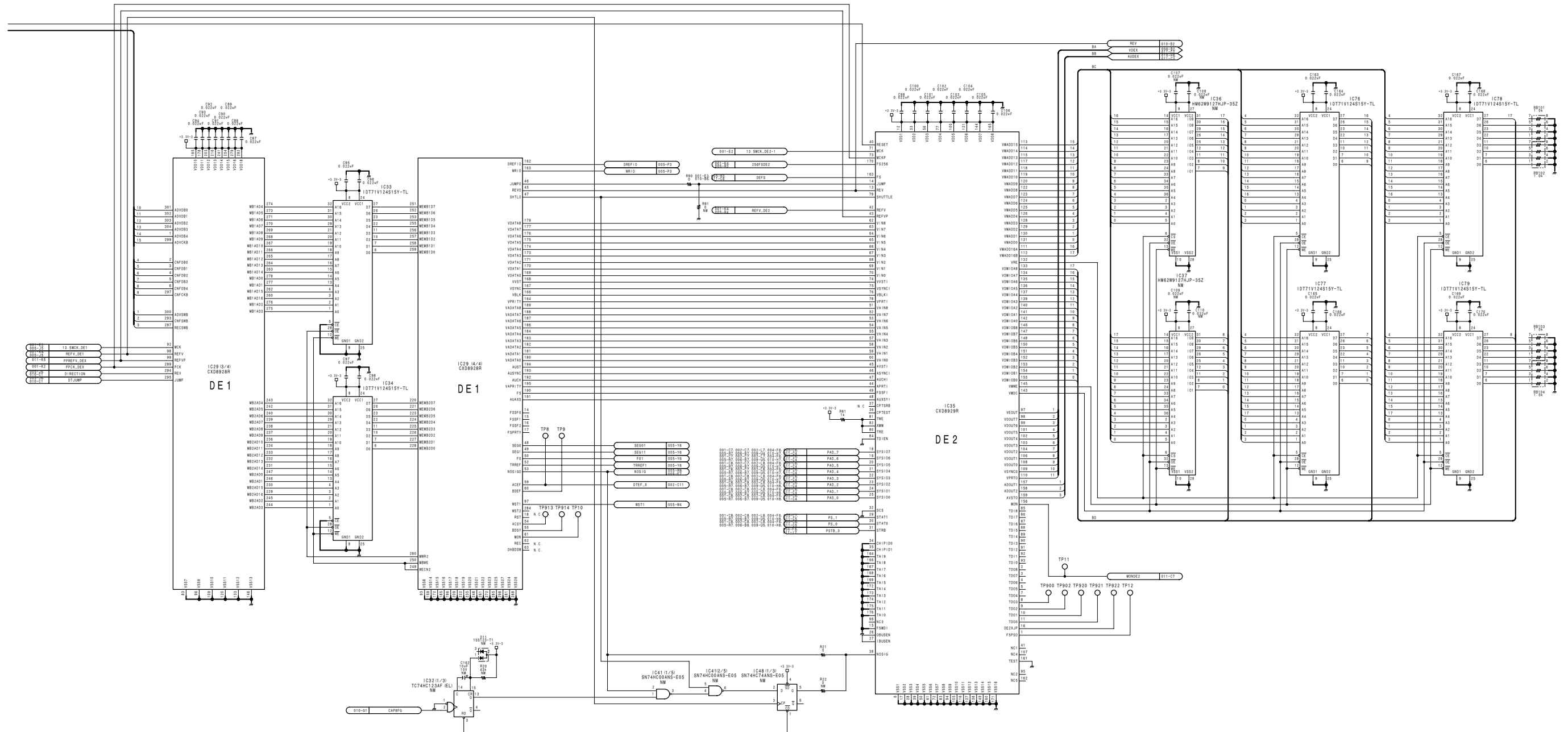




Bit Rate Reduction Encoder Memory
DPR-36 BOARD (3/11)

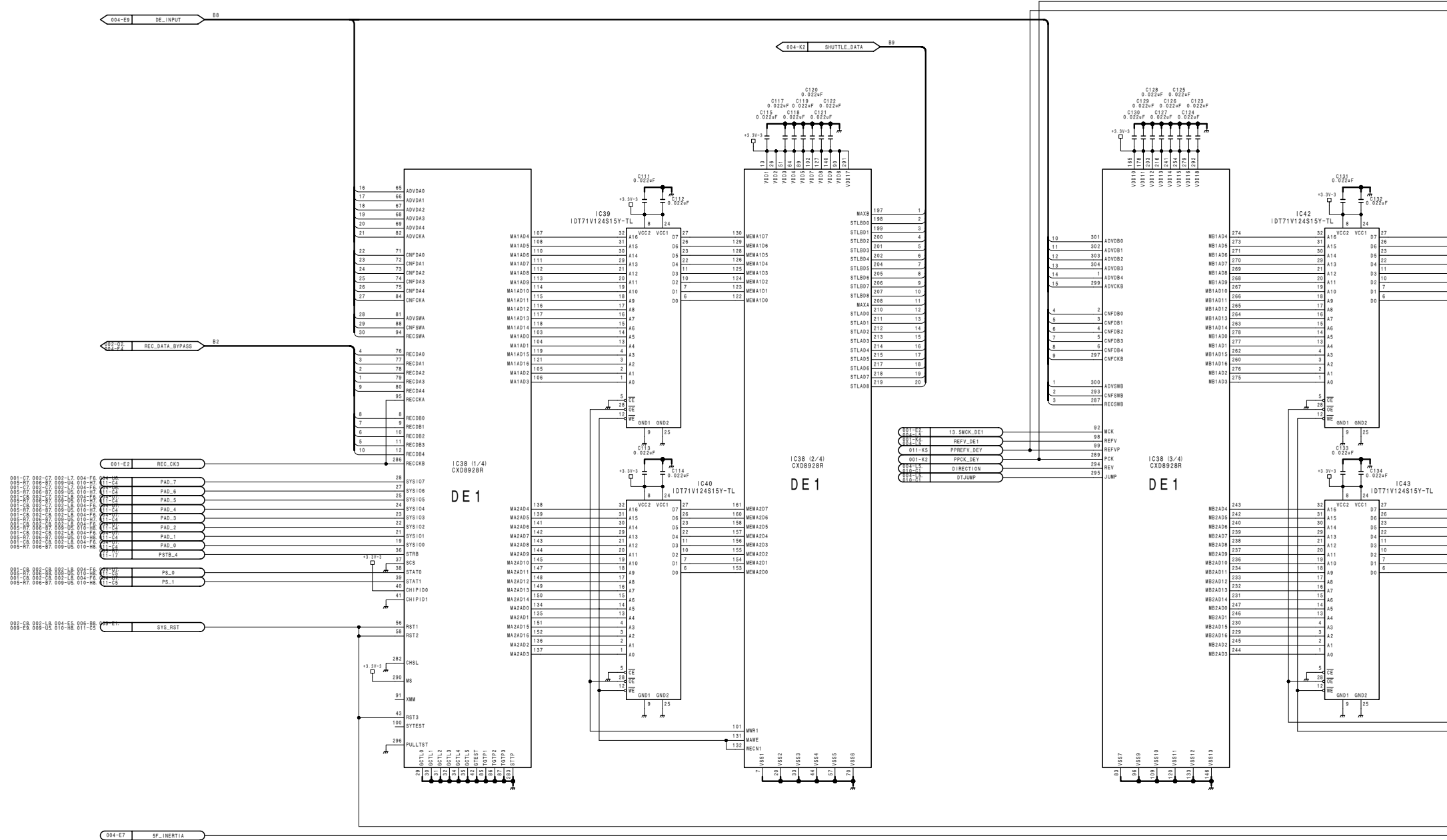
BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_3

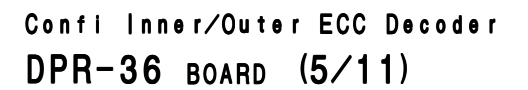
1-54 (d)



Advance Inner/Outer ECC Decoder DPR-36 BOARD (4/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_4





DVW-A500/500

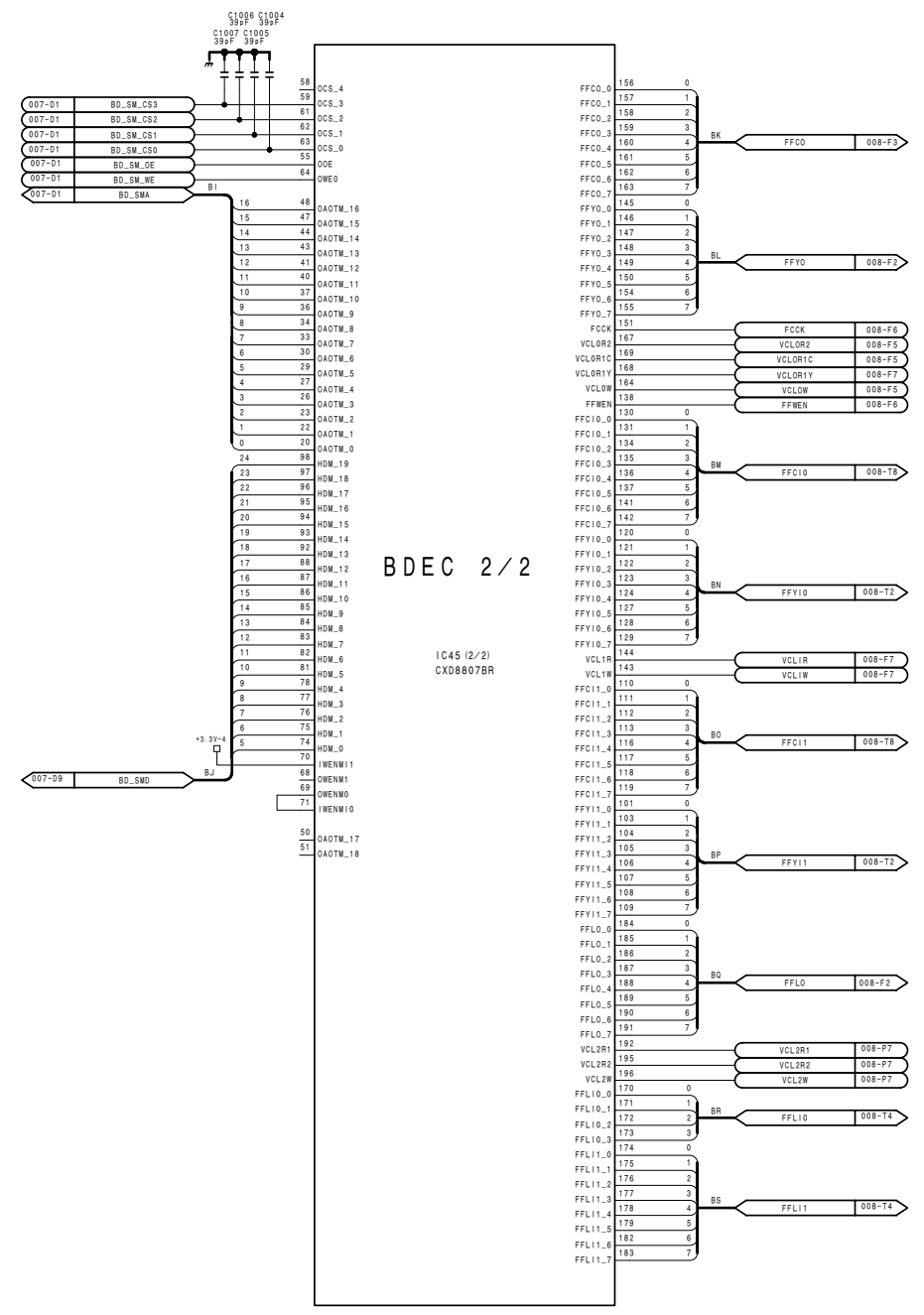
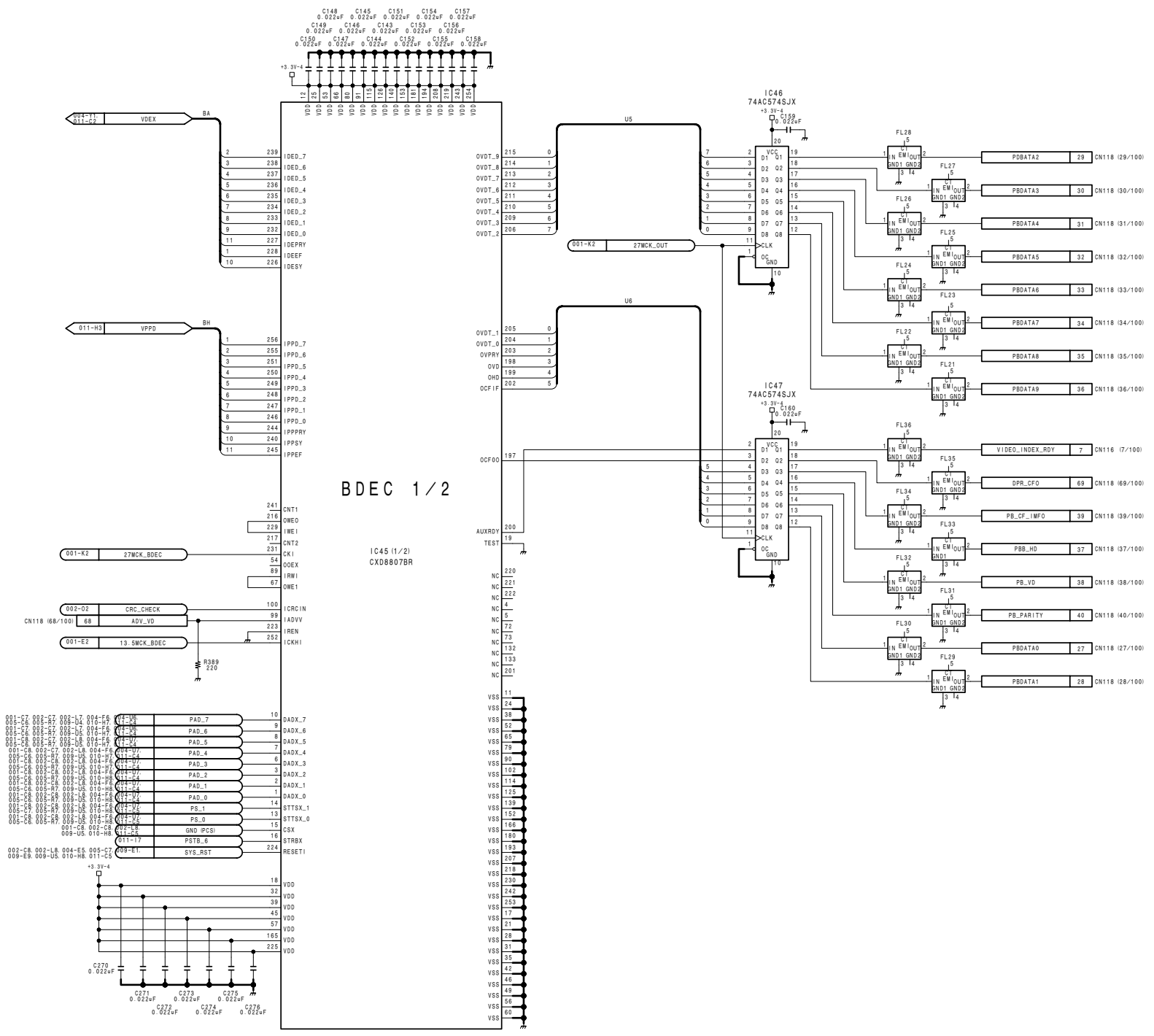
1

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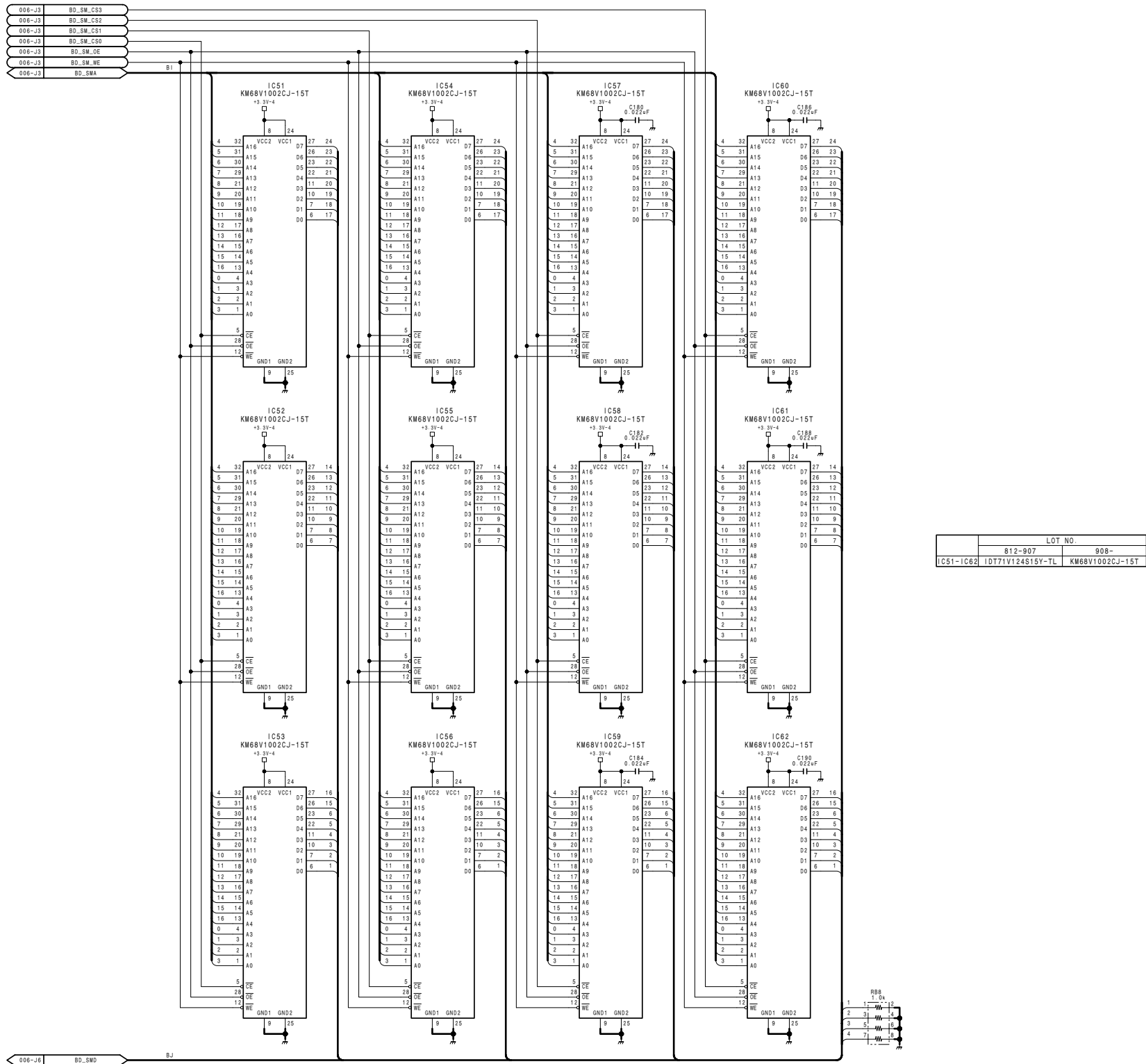
4

5



Bit Rate Reduction Decoder & Concealment Circuit
DPR-36 BOARD (6/11)

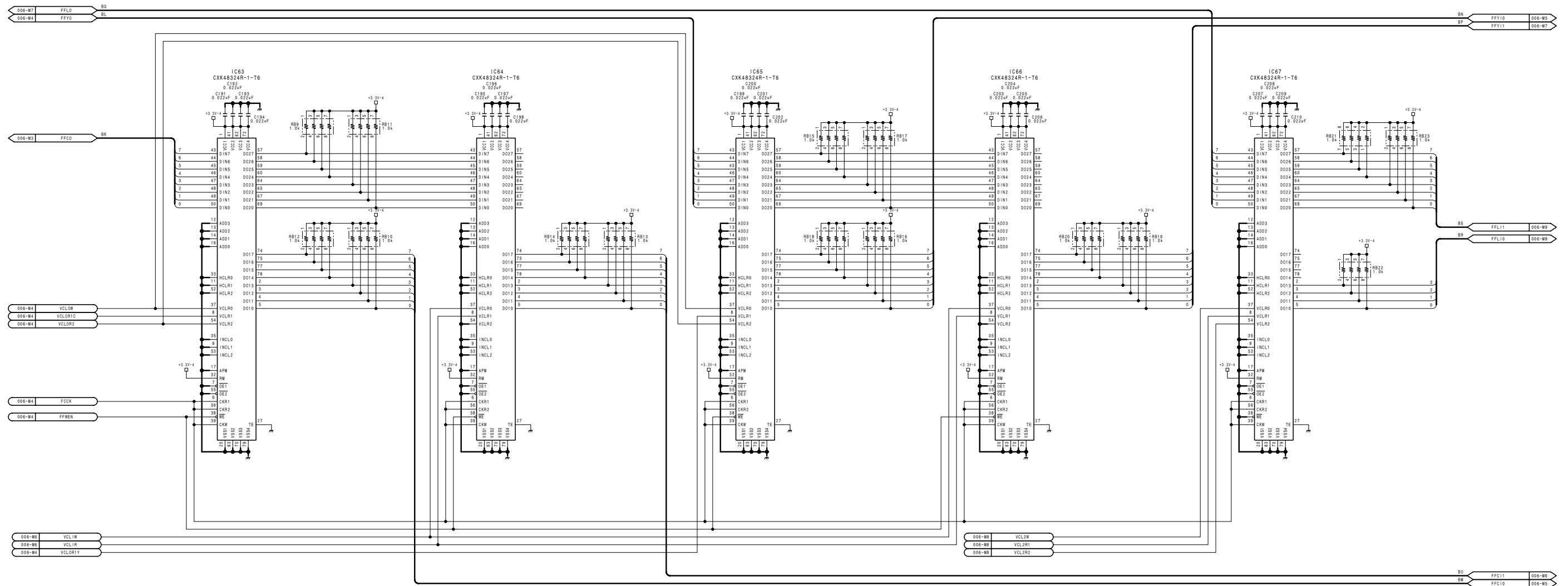
BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J, UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_6



DE-Shuffling Memory
DPR-36 BOARD (7/11)

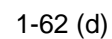
BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_7





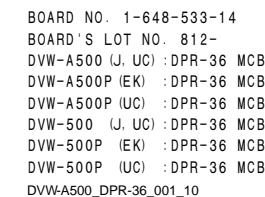
Concealment FIFO Memory
DPR-36 BOARD (8/11)

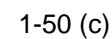
BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_8

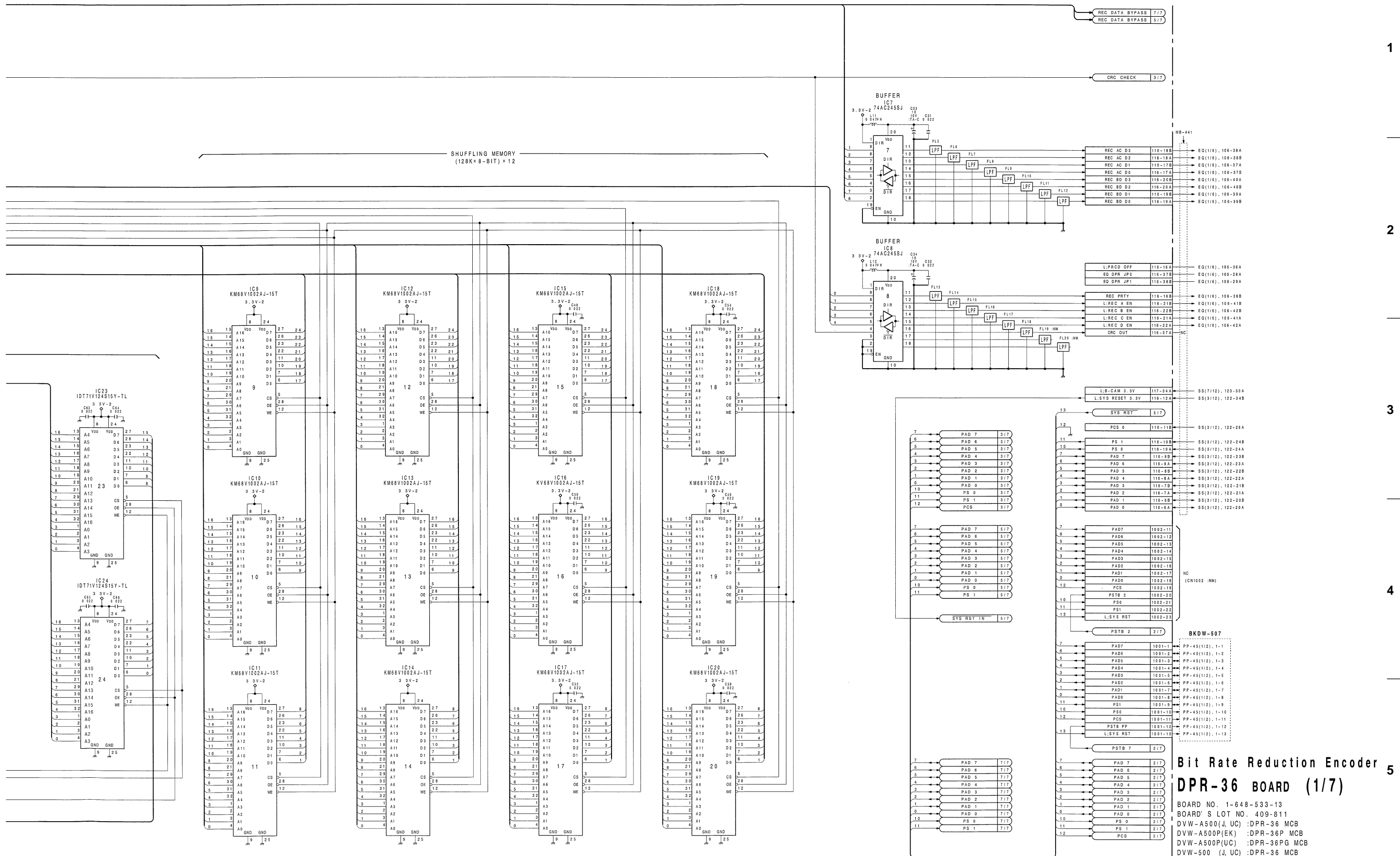


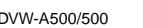


BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J, UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_9

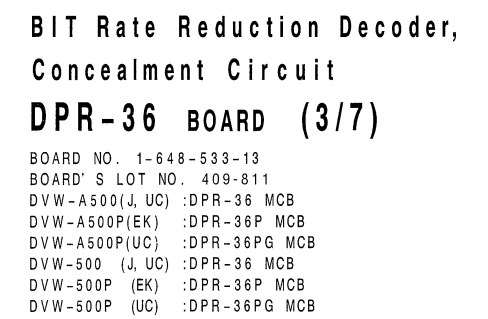




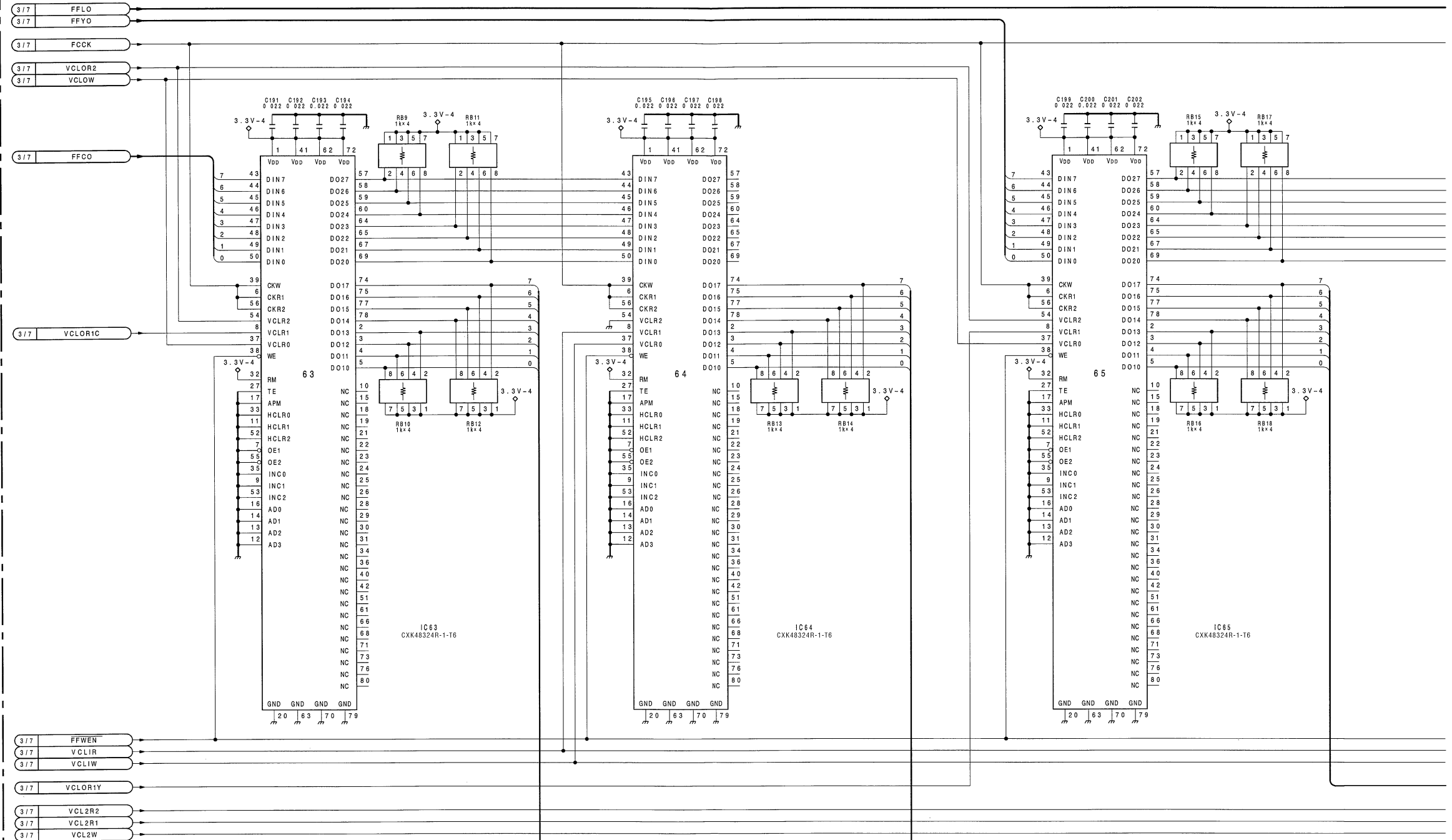


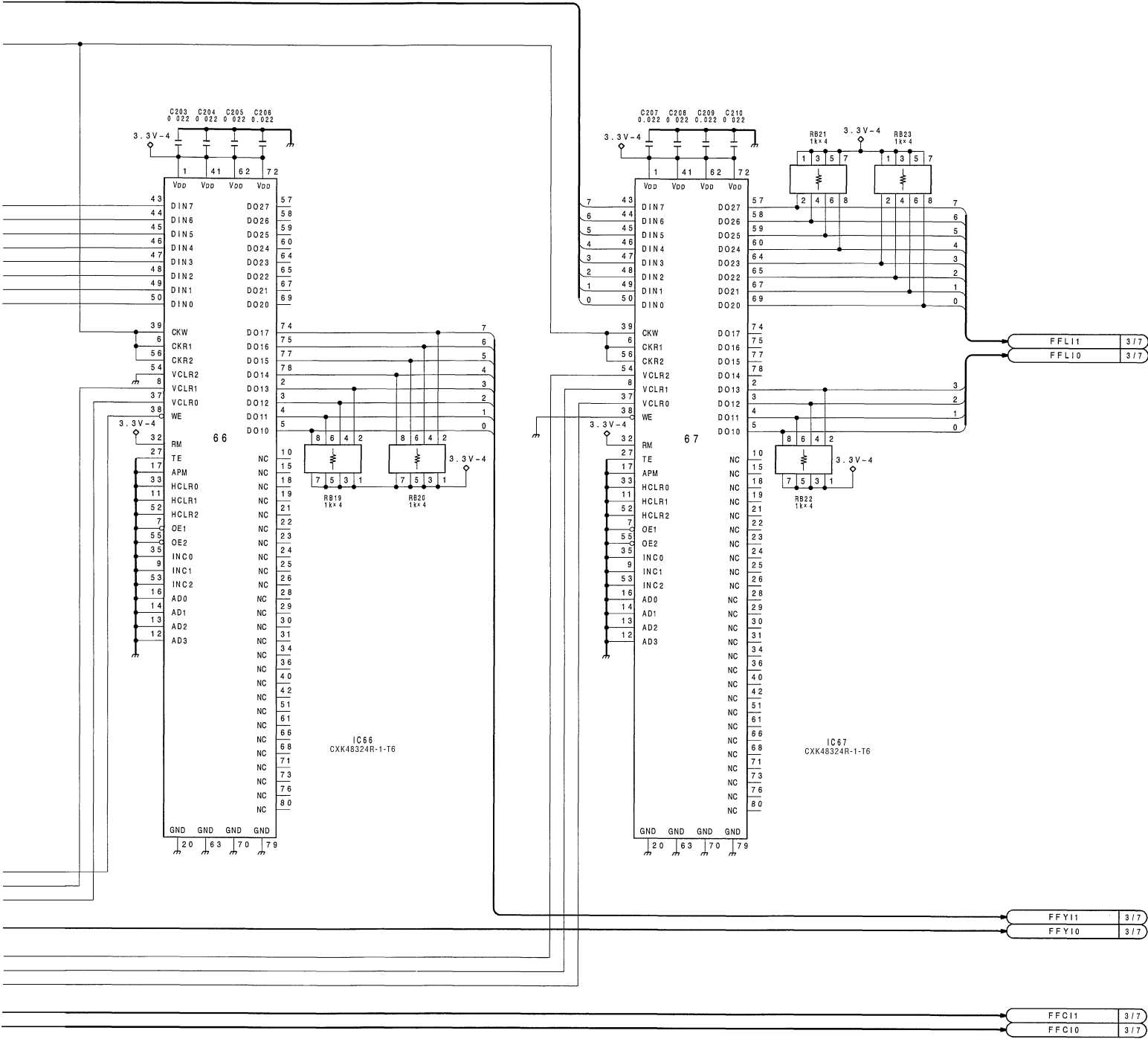






CONCEALMENT FIFO MEMORY (2.4M-BIT×5)

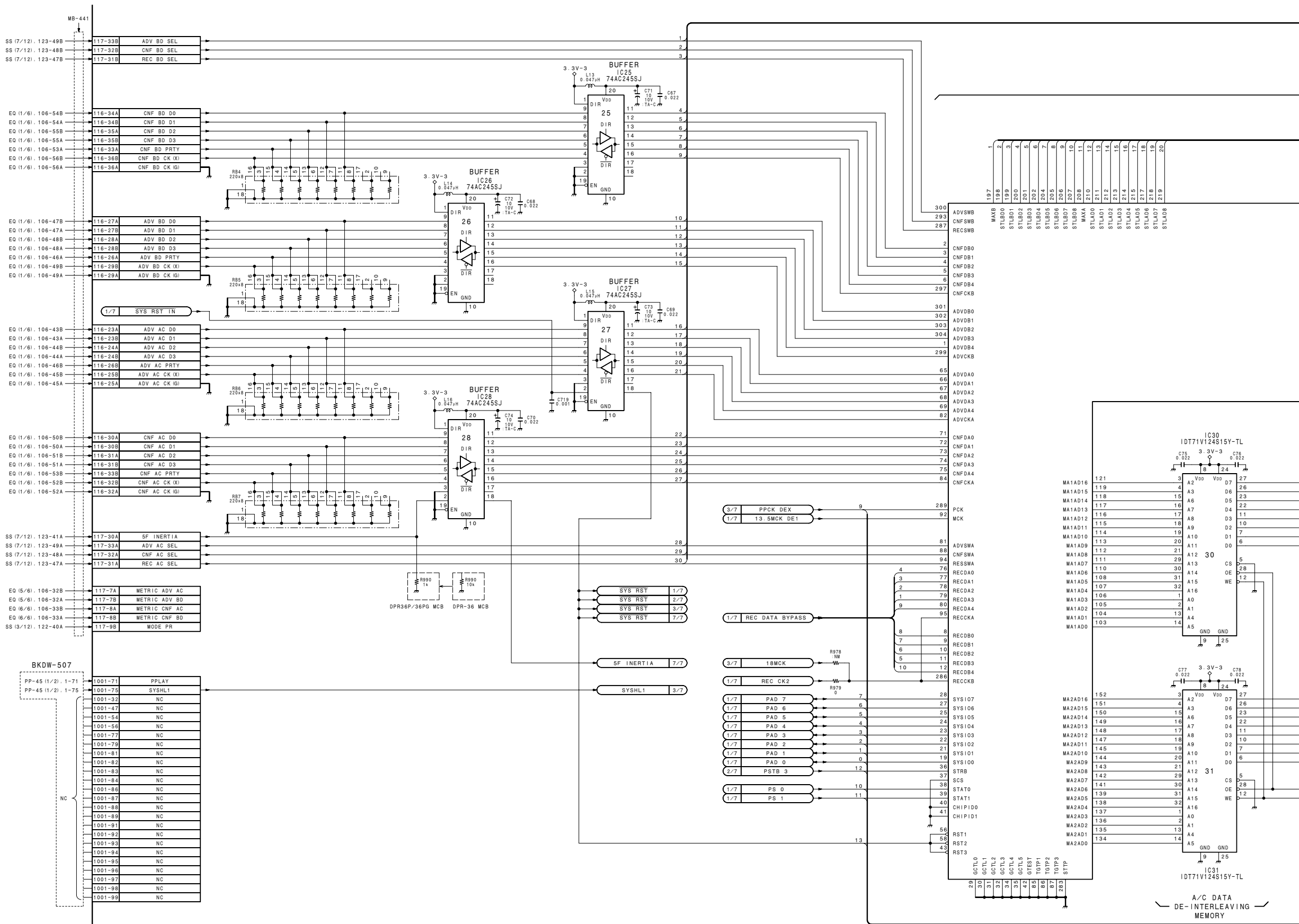


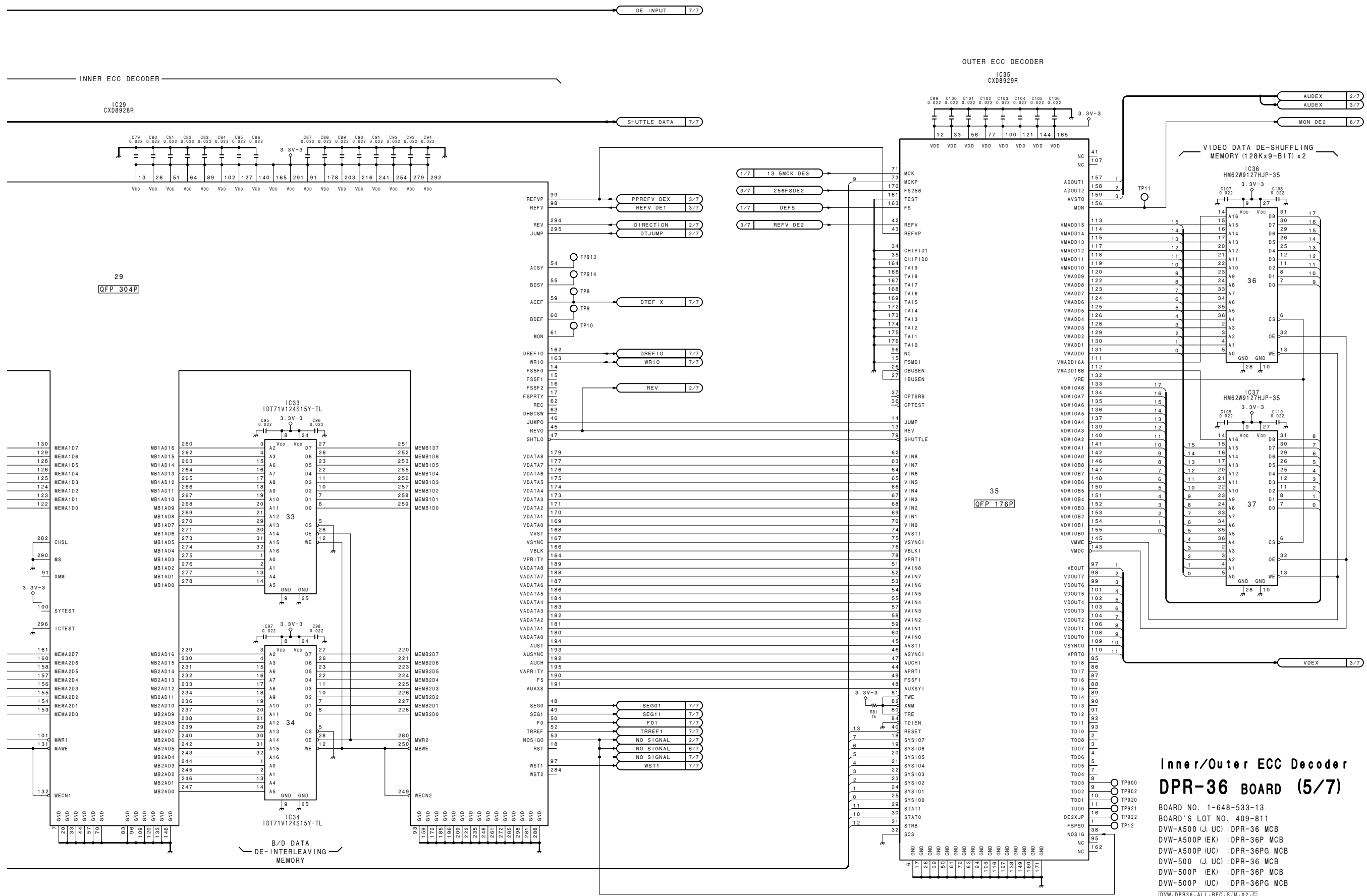


Concealment FIFO Memory
DPR-36 BOARD (4/7)

BOARD NO. 1-648-533-13
BOARD' S LOT NO. 409-811
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

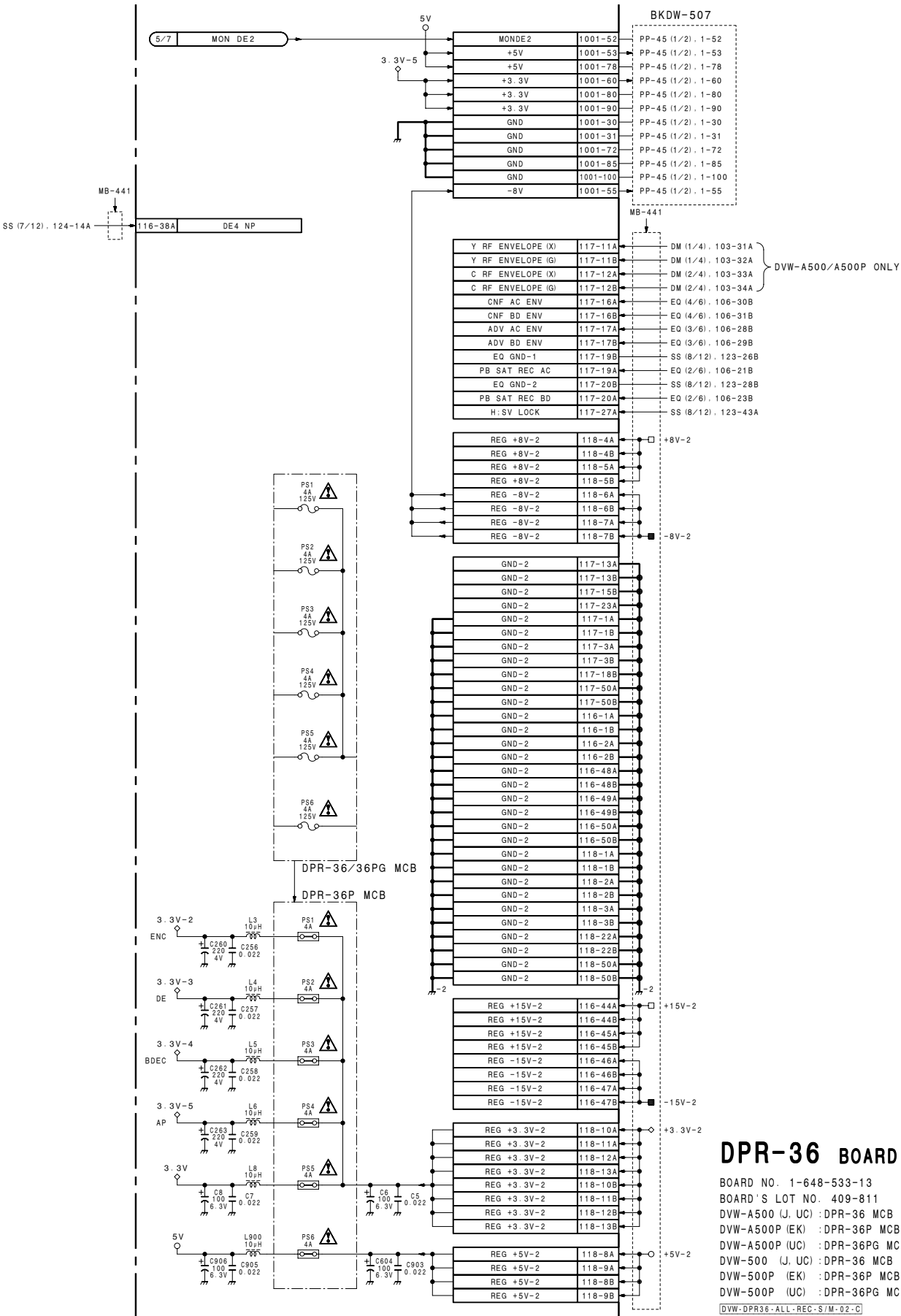
DVW-DPR36-ALL-REG-S/M-02-C

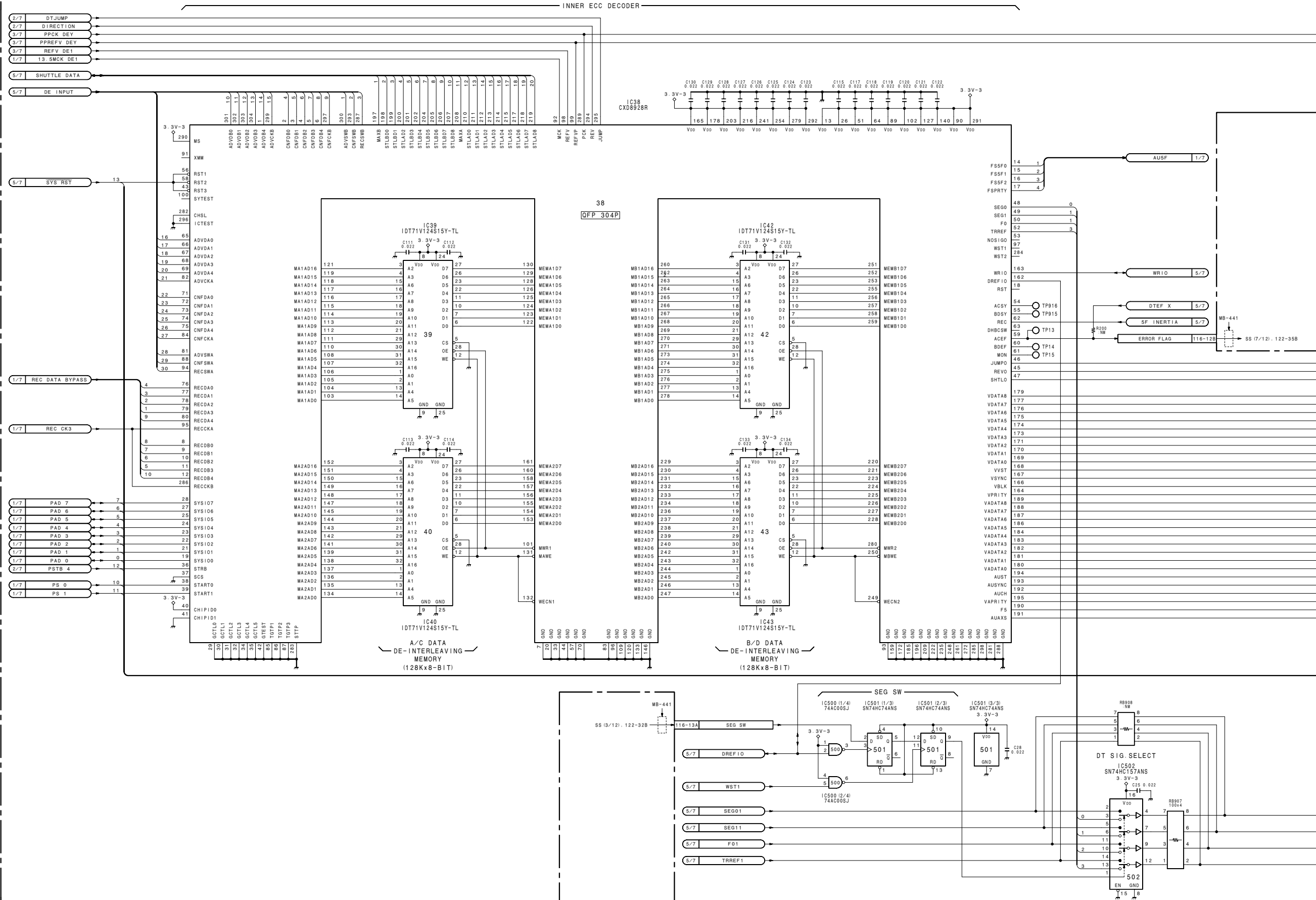




Inner/Outer ECC Decoder DPR-36 BOARD (5/7)

BOARD NO. 1-648-533-13
BOARD'S LOT NO. 409-811
DVW-A500 (J, UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36PG MCB
DVW-A500P (UC) : DPR-36PG MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36PG MCB
DVW-500P (UC) : DPR-36PG MCB
[DVW-DPR36-ALL-REC-S/M-02-C]





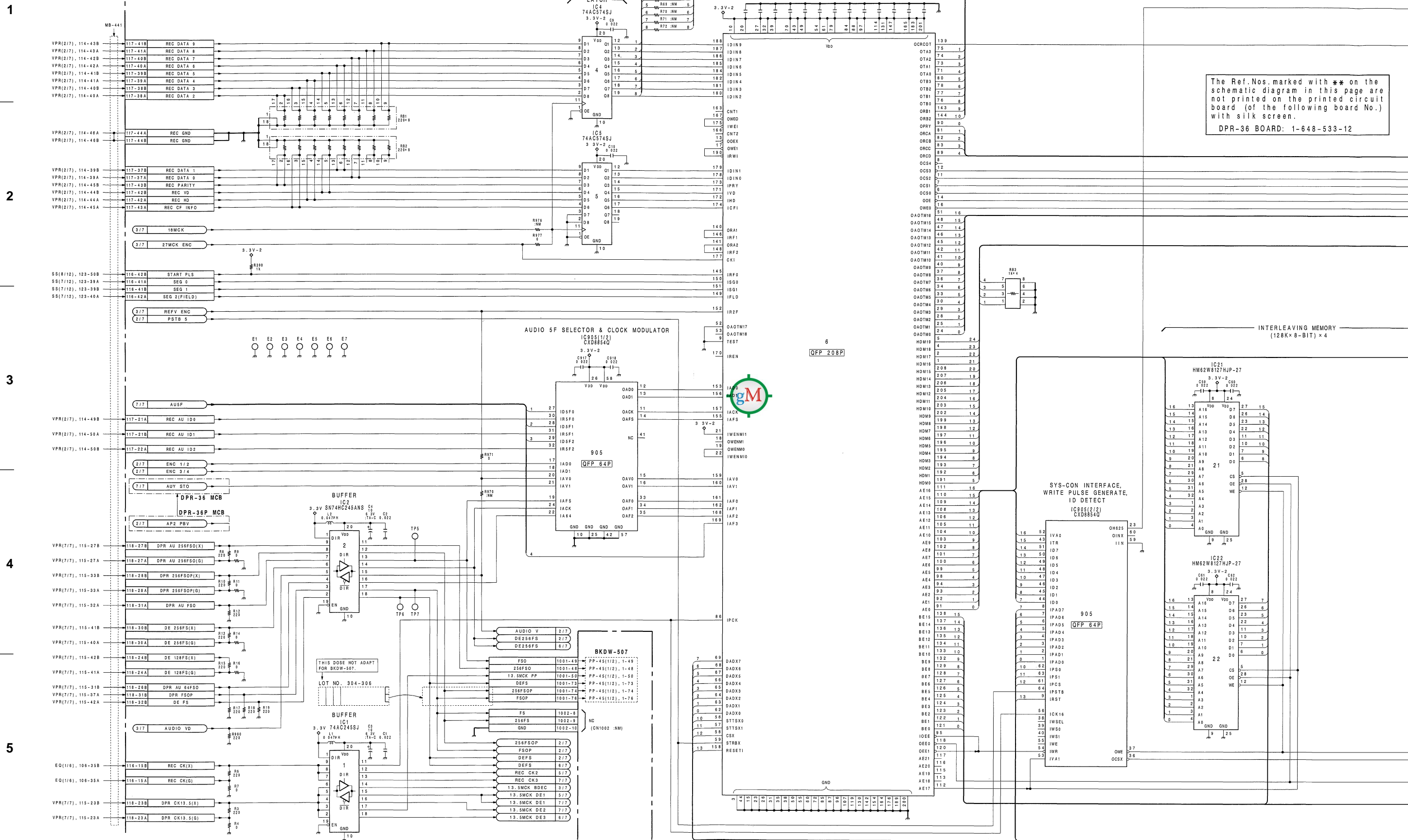
1

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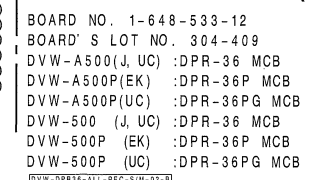


The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

DPR-36 BOARD: 1-648-533-12

INTERLEAVING MEMORY
(128K×8-BIT) × 4

SYS-CON INTERFACE,
WRITE PULSE GENERATE,
ID DETECT



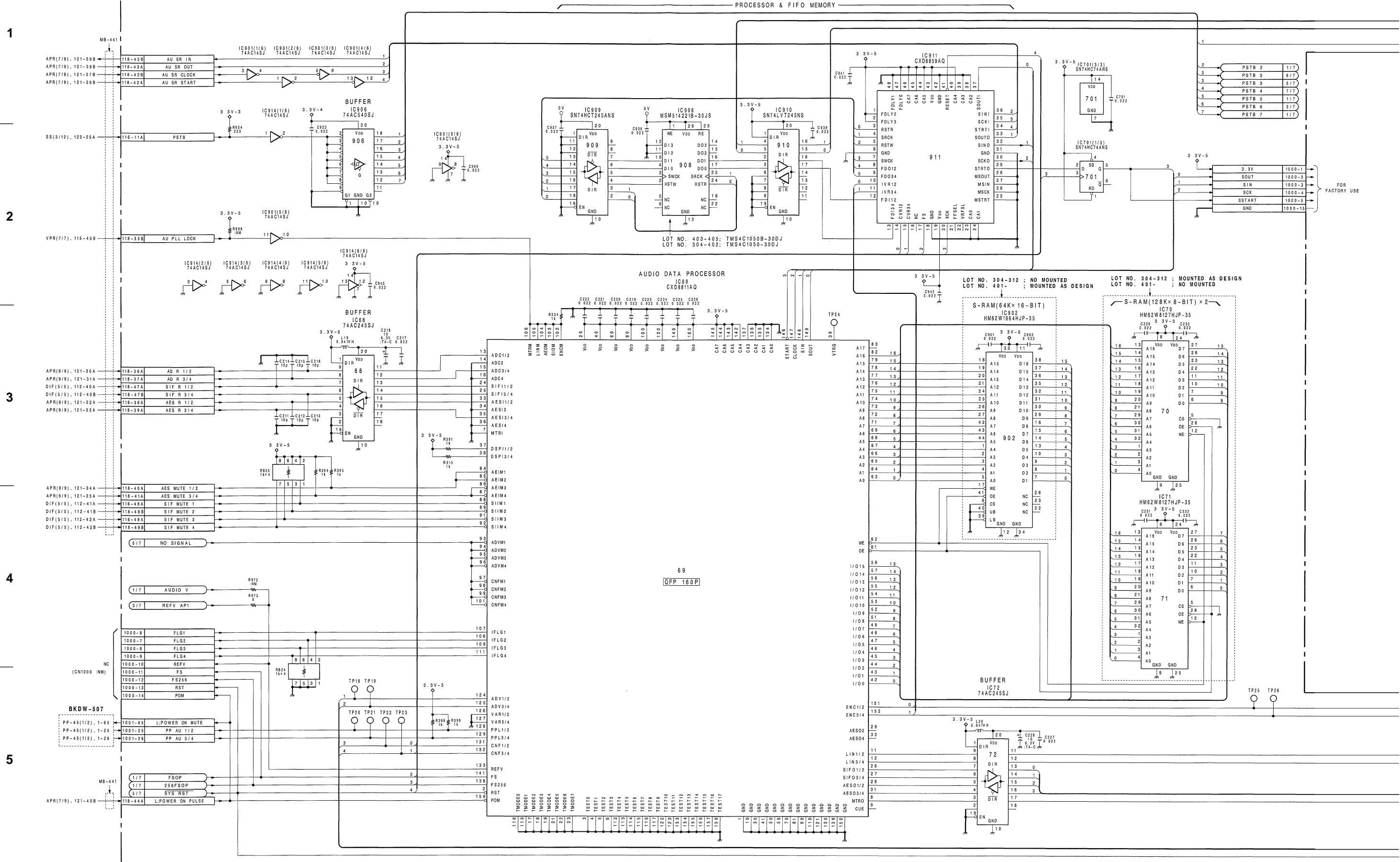
1

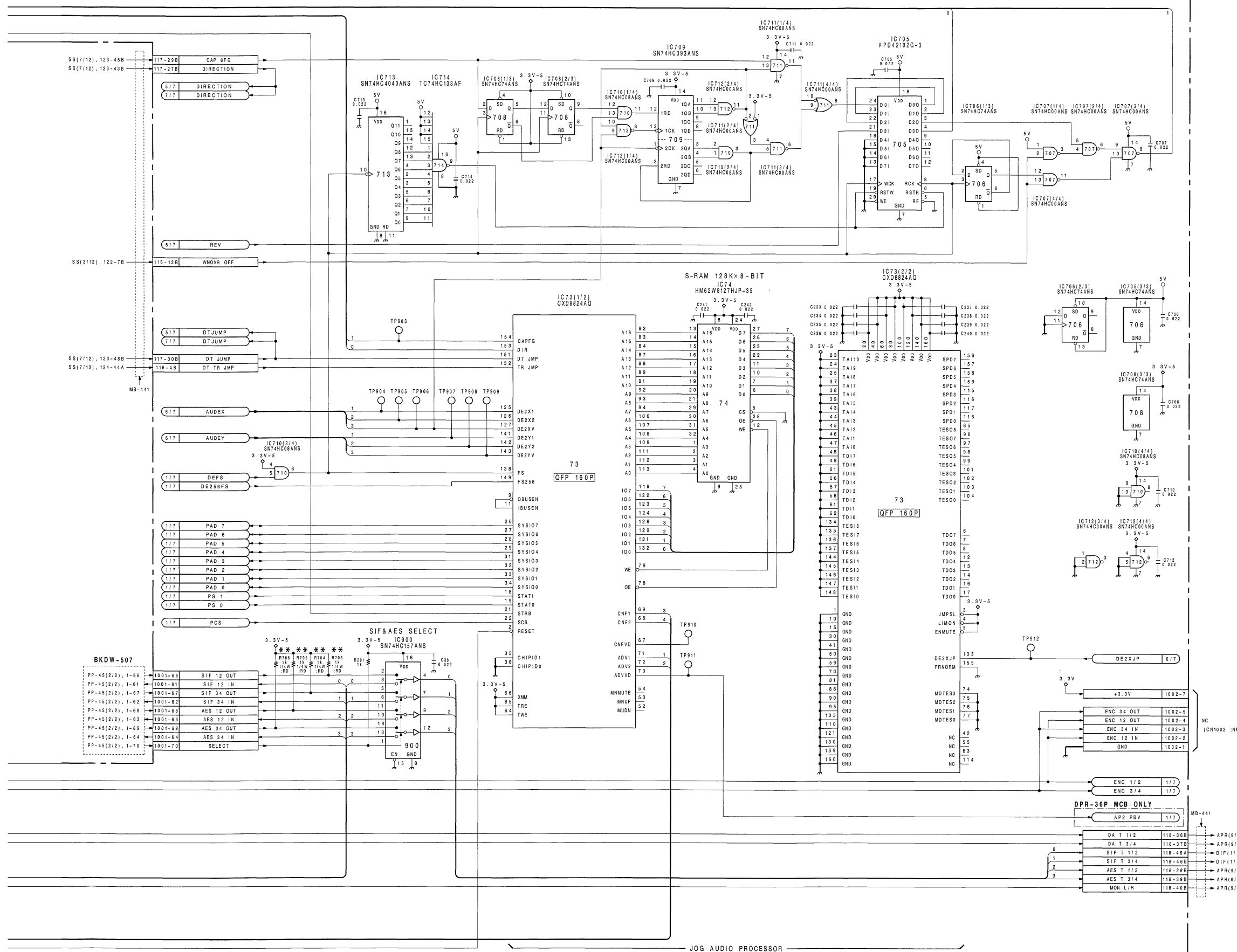
2

3

4

5





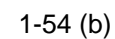
The Ref. Nos. marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

DPR-36 BOARD: 1-648-533-12

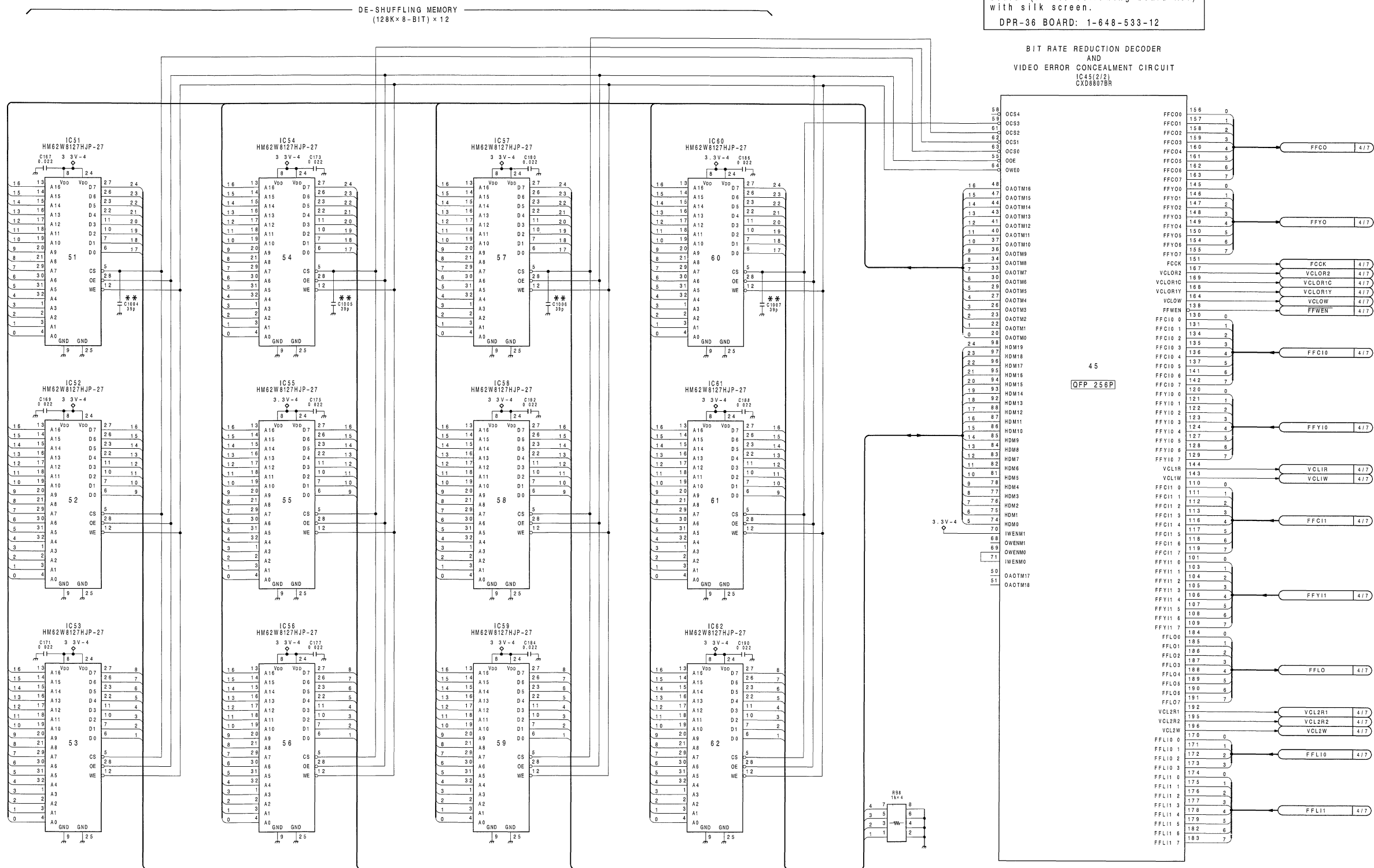
Audio Data Processor,
Jog Audio Data Processor
DPR-36 BOARD (2/7)

BOARD NO. 1-648-533-12
BOARD'S LOT NO. 304-409
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

DYW-DPR36-ALL-REC-S/M-02-B



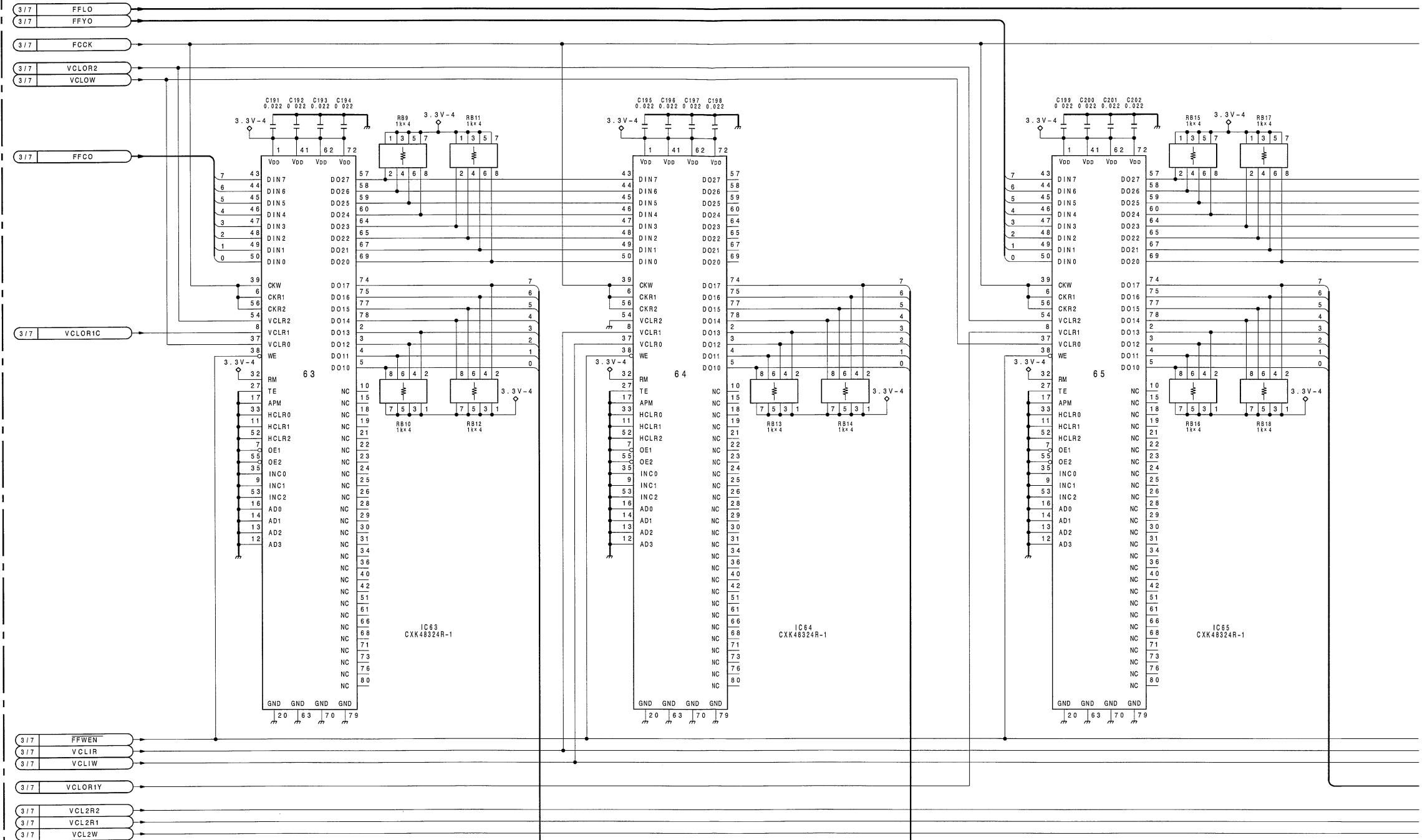
H

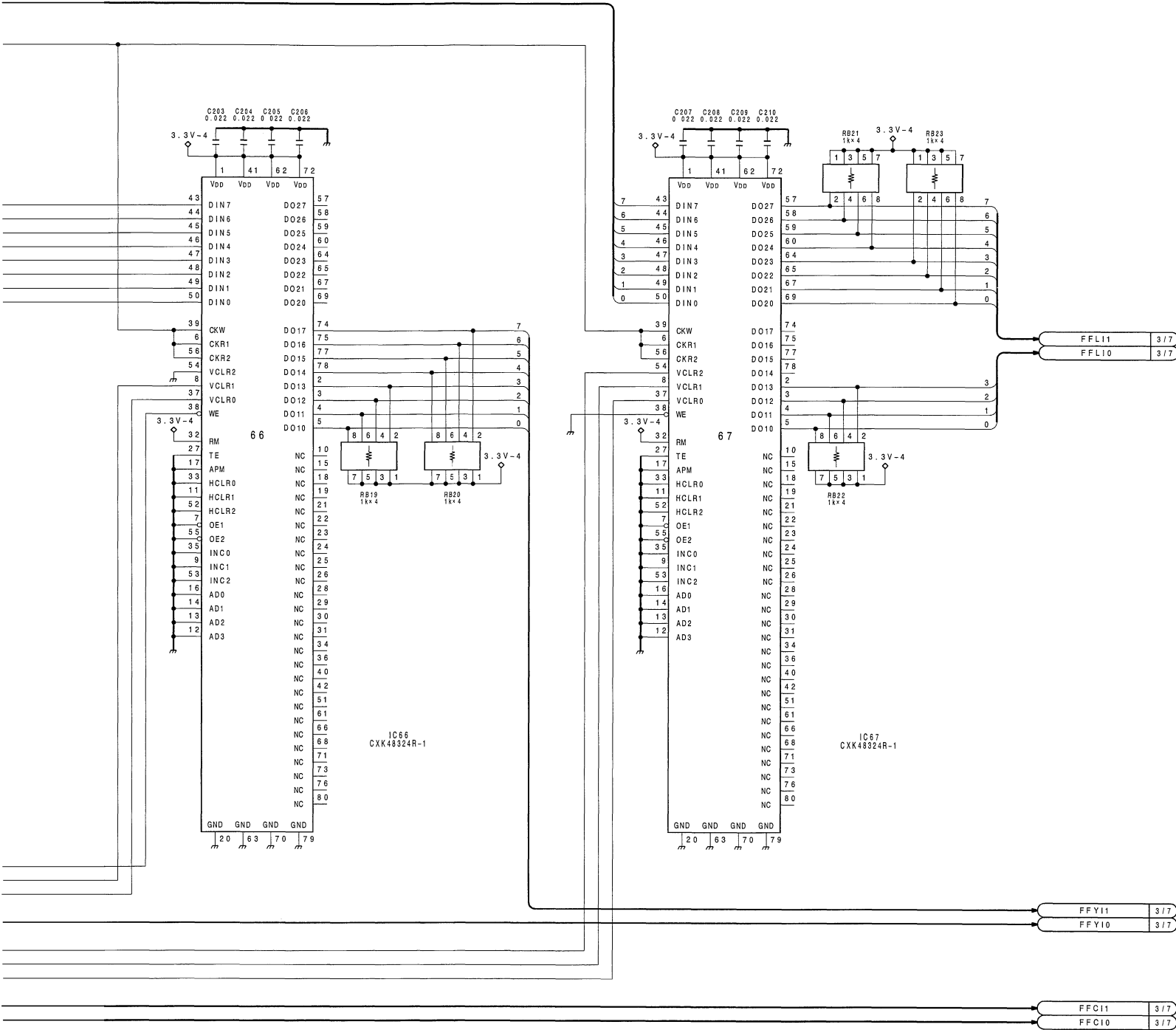


BIT Rate Reduction Decoder,
Concealment Circuit
DPR-36 BOARD (3/7)

BOARD NO. 1-648-533-12
BOARD'S LOT NO. 304-409
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

DVW-DPR36-ALL-REC-3/1M-D2-B



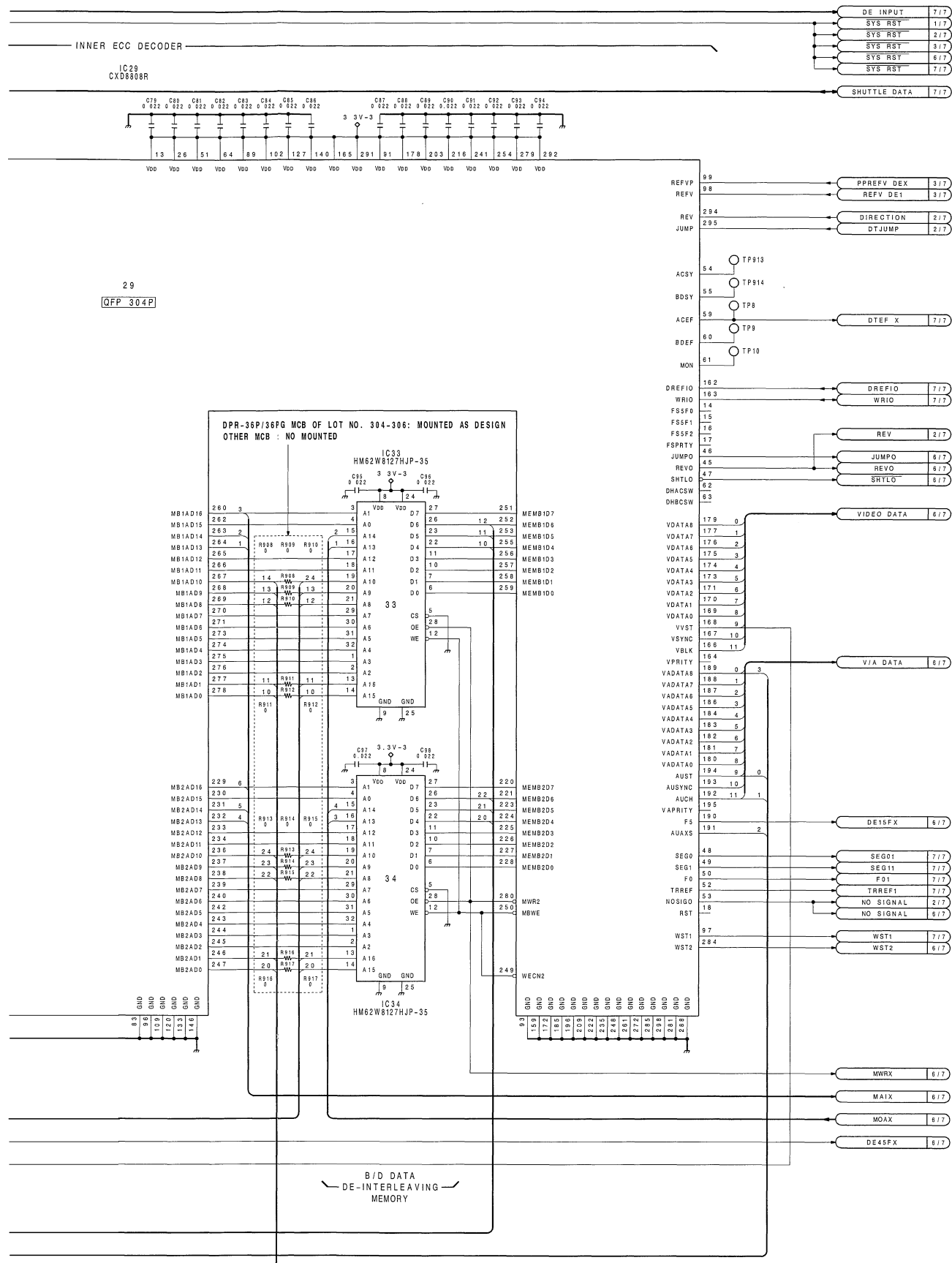


Concealment FIFO Memory
DPR-36 BOARD (4/7)

BOARD NO. 1-648-533-12
BOARD'S LOT NO. 304-409
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

(DVW-DPR36-ALL-REC-SIM-02-B)

DPR-36 BOARD: 1-648-533-12

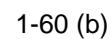


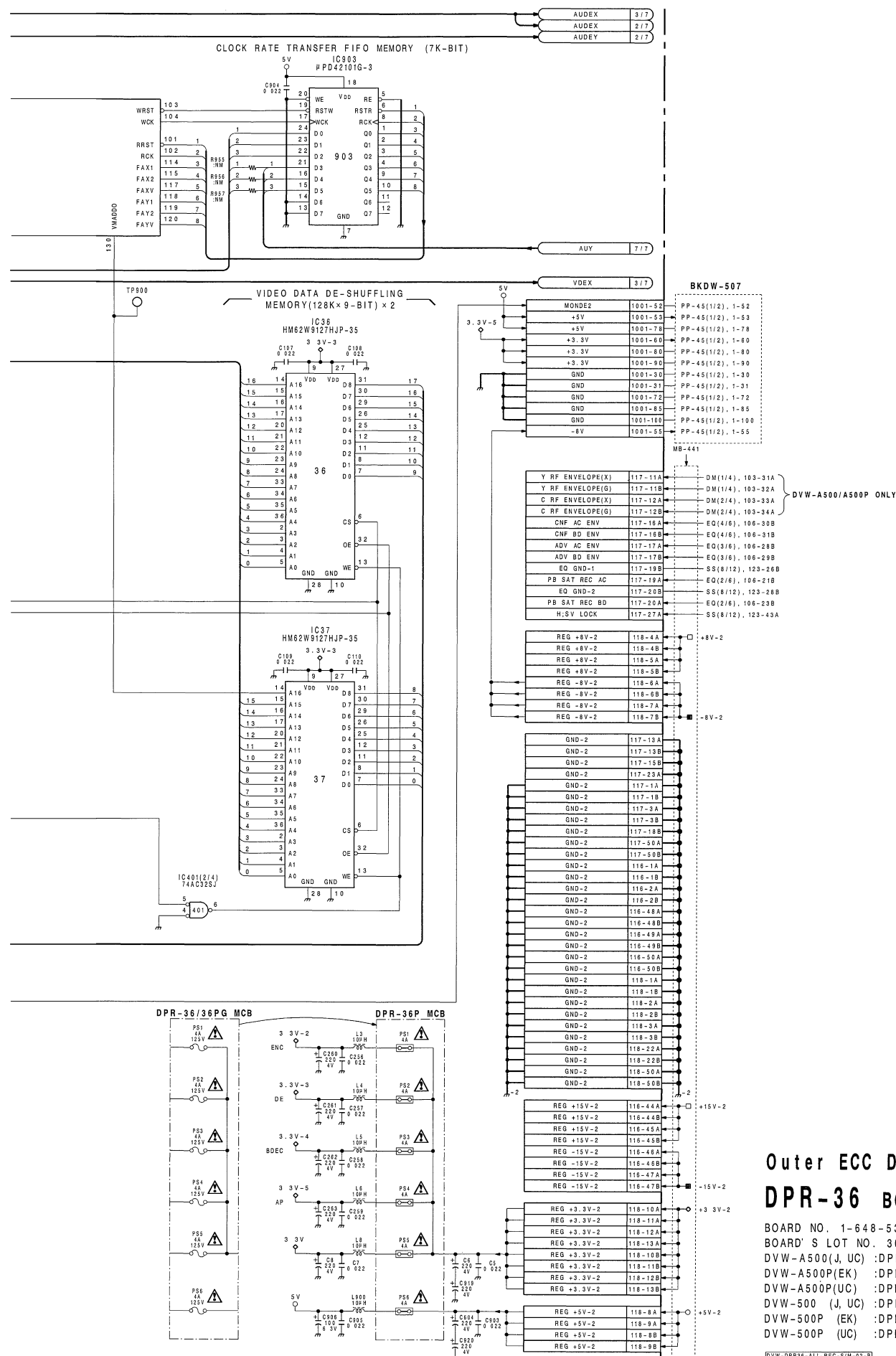
Inner ECC Decoder
DPR-36 BOARD (5/7)

BOARD NO. 1-648-533-12
BOARD'S LOT NO. 304-409
DVW-A500(J, UC) : DPR-36 MCB
DVW-A500P(EK) : DPR-36P MCB
DVW-A500P(UC) : DPR-36PG MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB
DVW-500P (UC) : DPR-36PG MCB

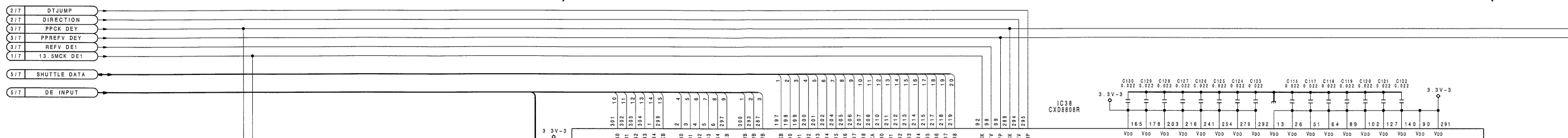
DVW-DPR36-ALL-REC-SHW-02-B

1-55(b)

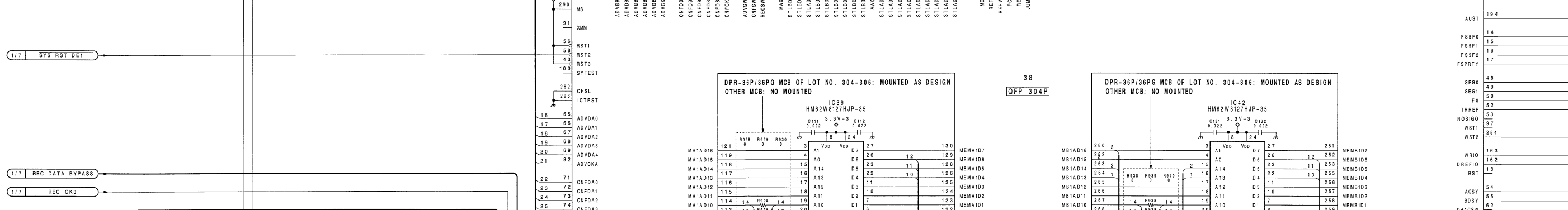




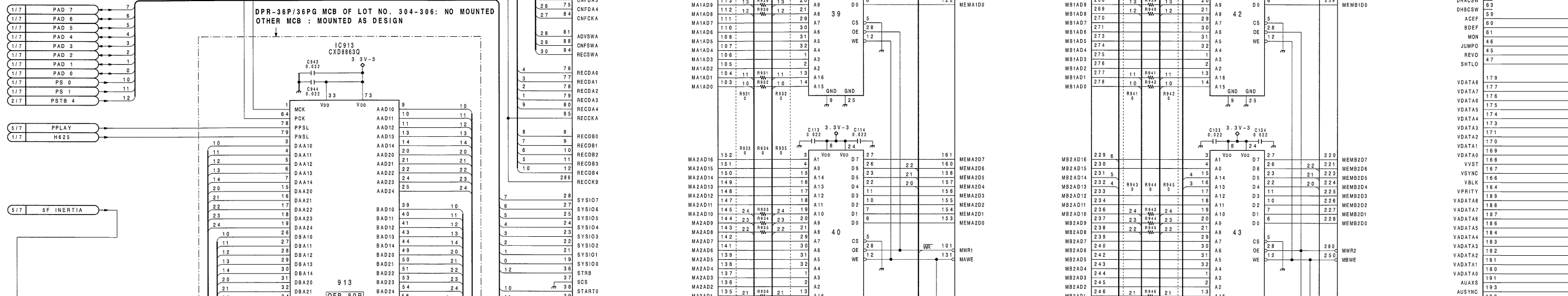
1



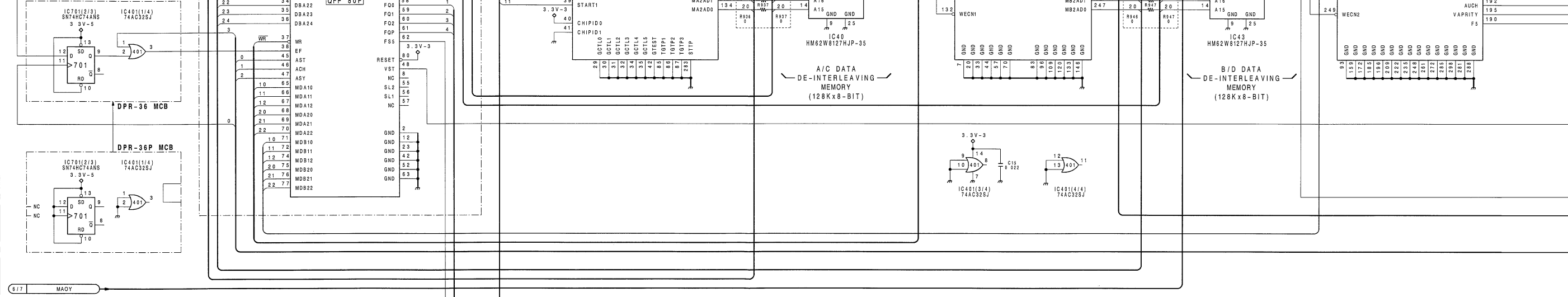
2



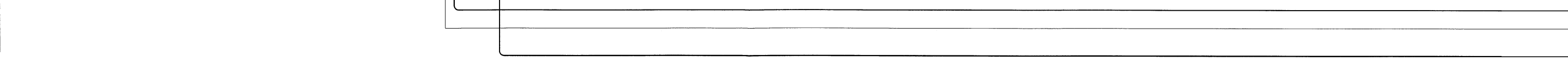
3



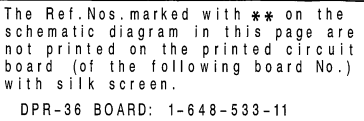
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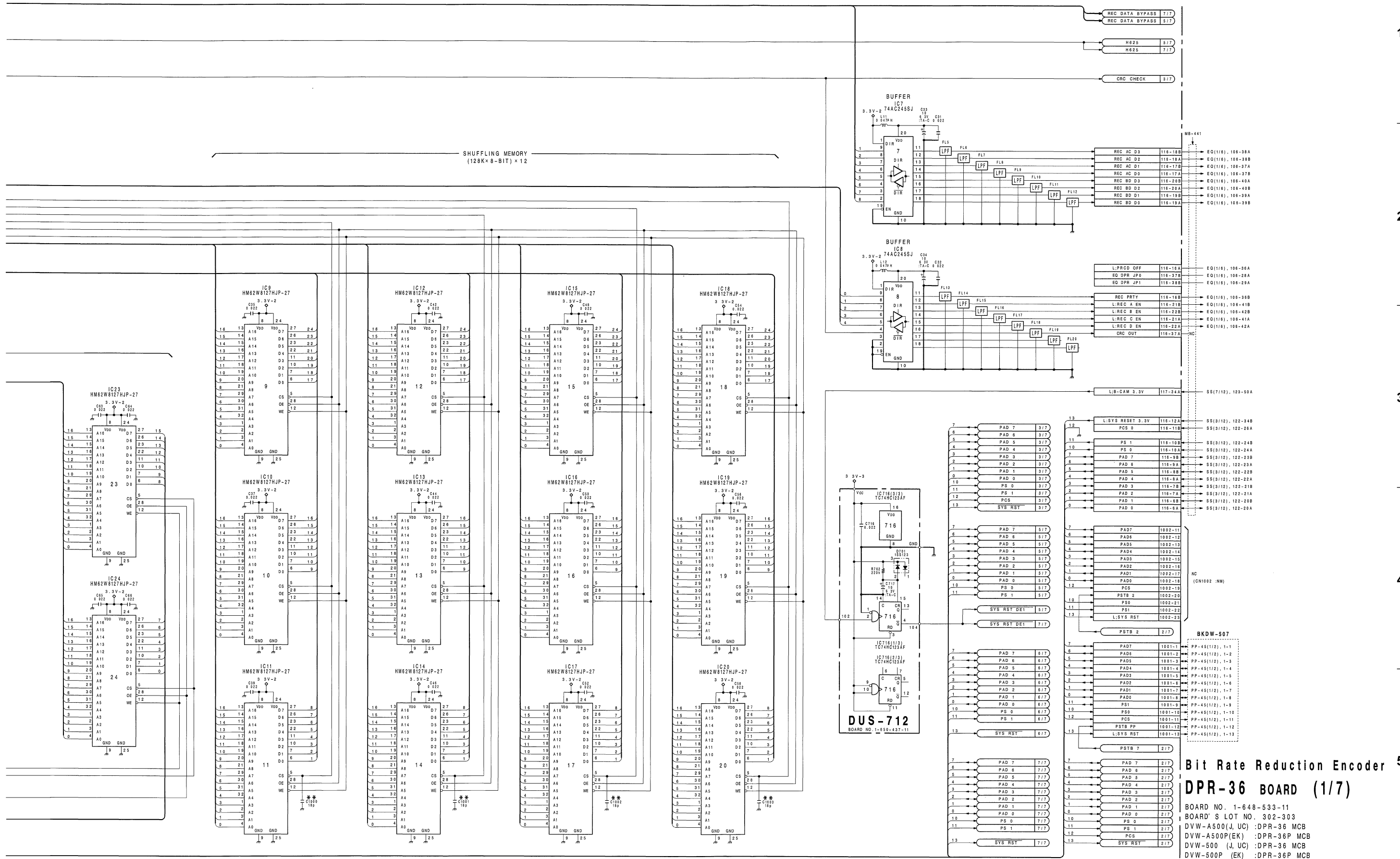


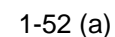
5

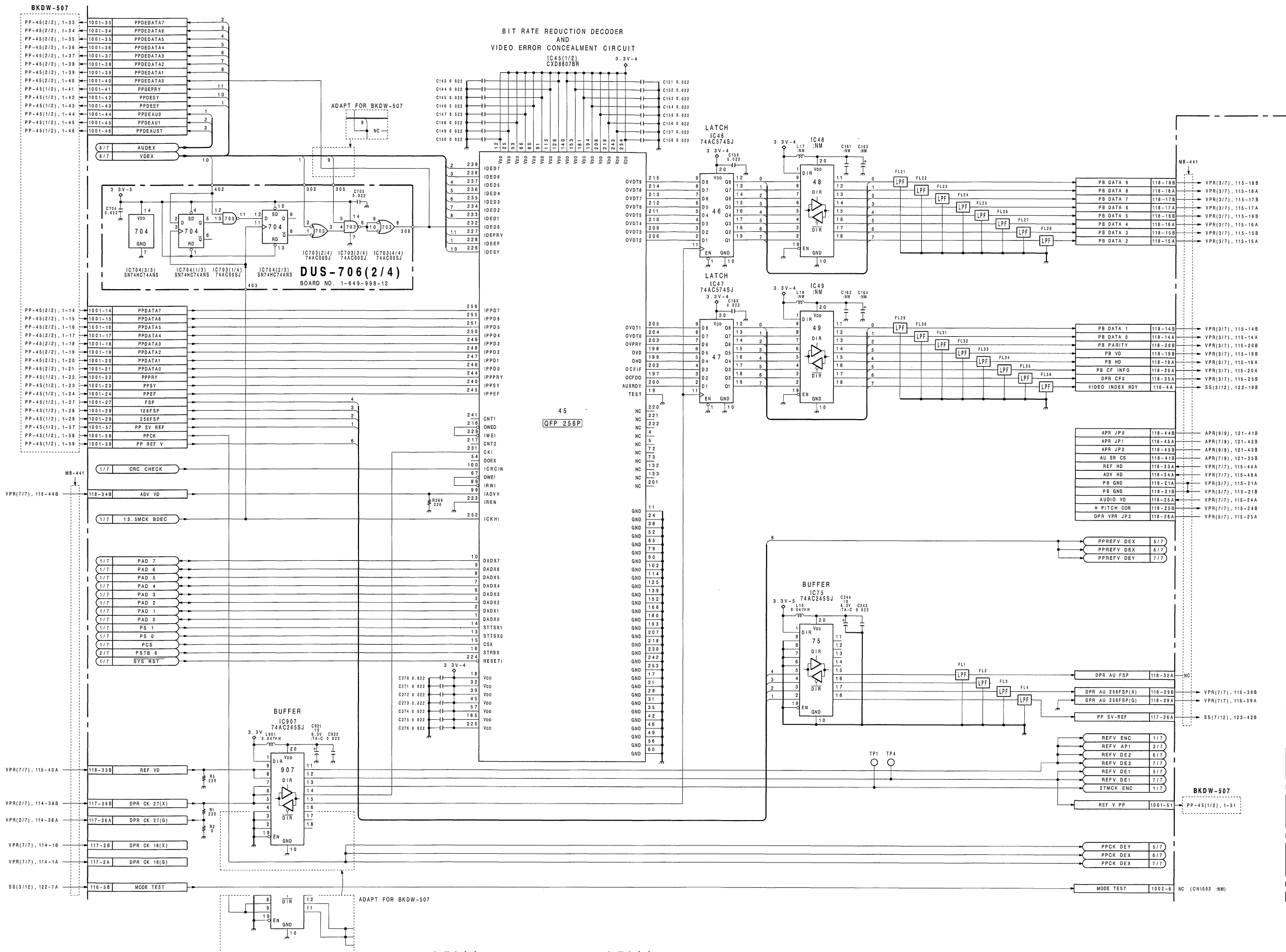




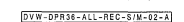


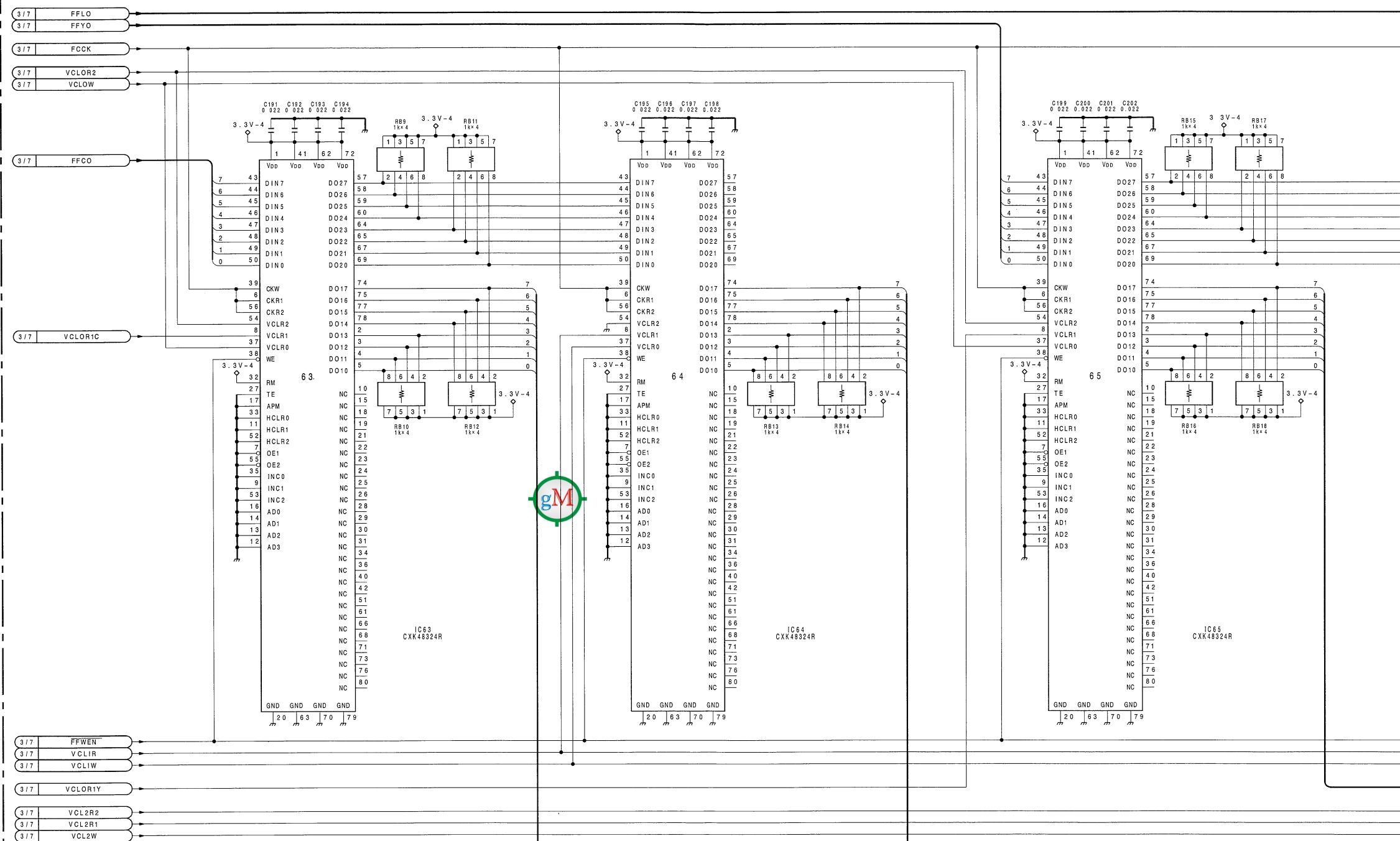


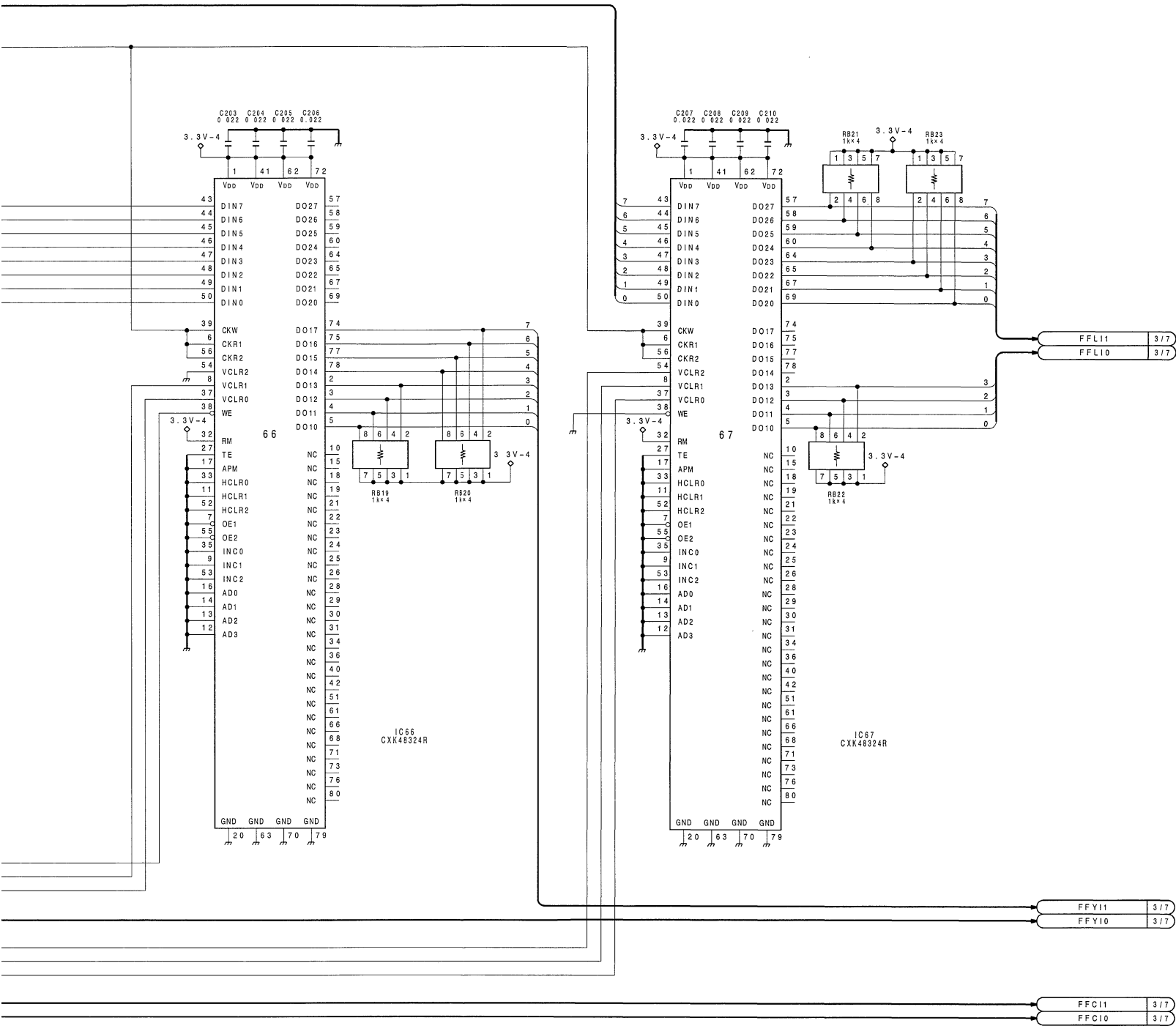




DPR-36 BOARD: 1-648-533-11



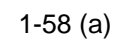


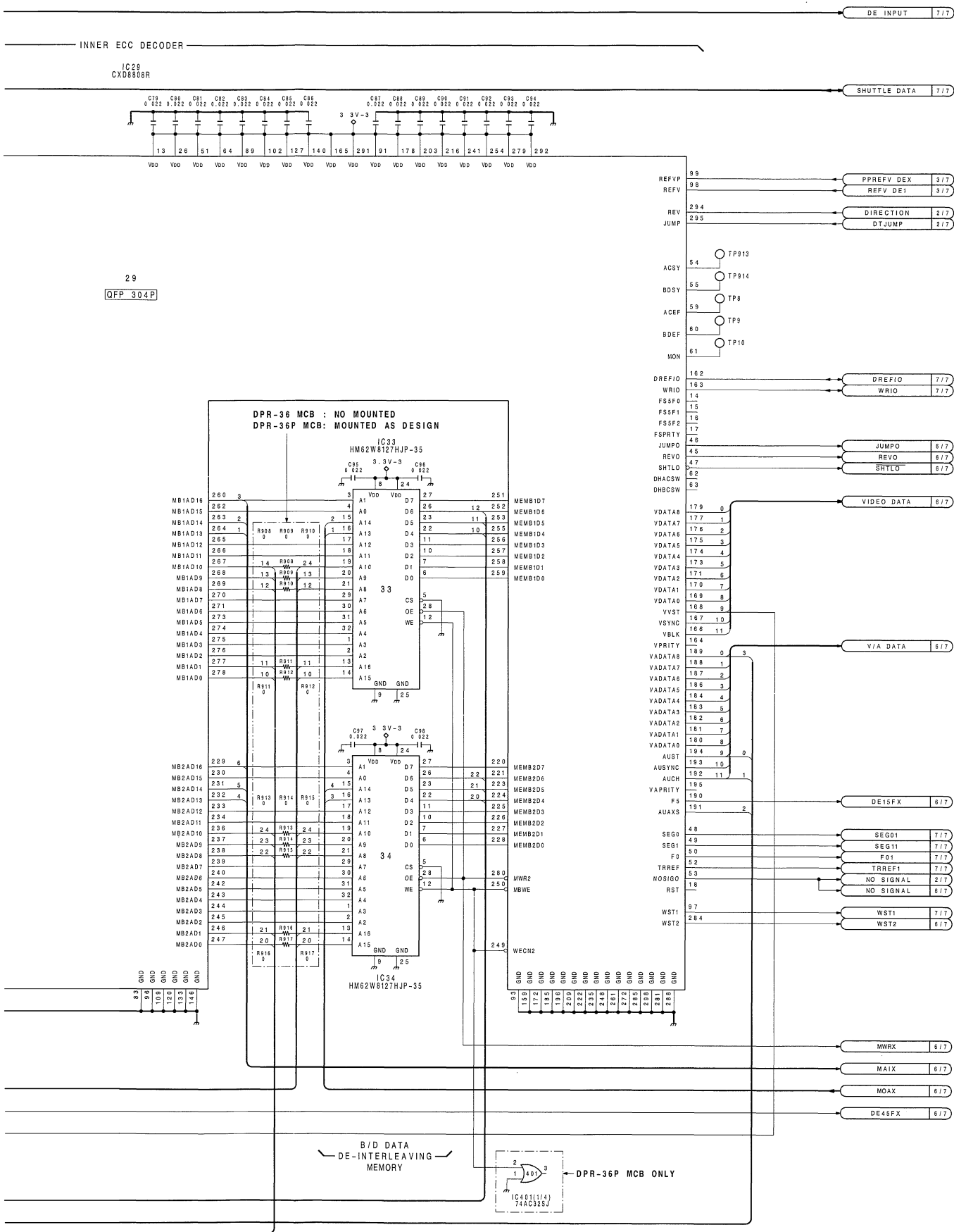


Concealment FIFO Memory
DPR-36 BOARD (4/7)

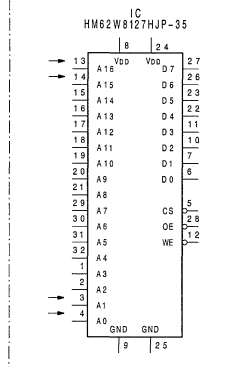
BOARD NO. 1-648-533-11
BOARD'S LOT NO. 302-303
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB

DVW-DPR36-ALL-REC-SIM-02-A





FOR DPR-36P MCB,
IC30, 31, 33 AND 34 ARE AS FOLLOWS:

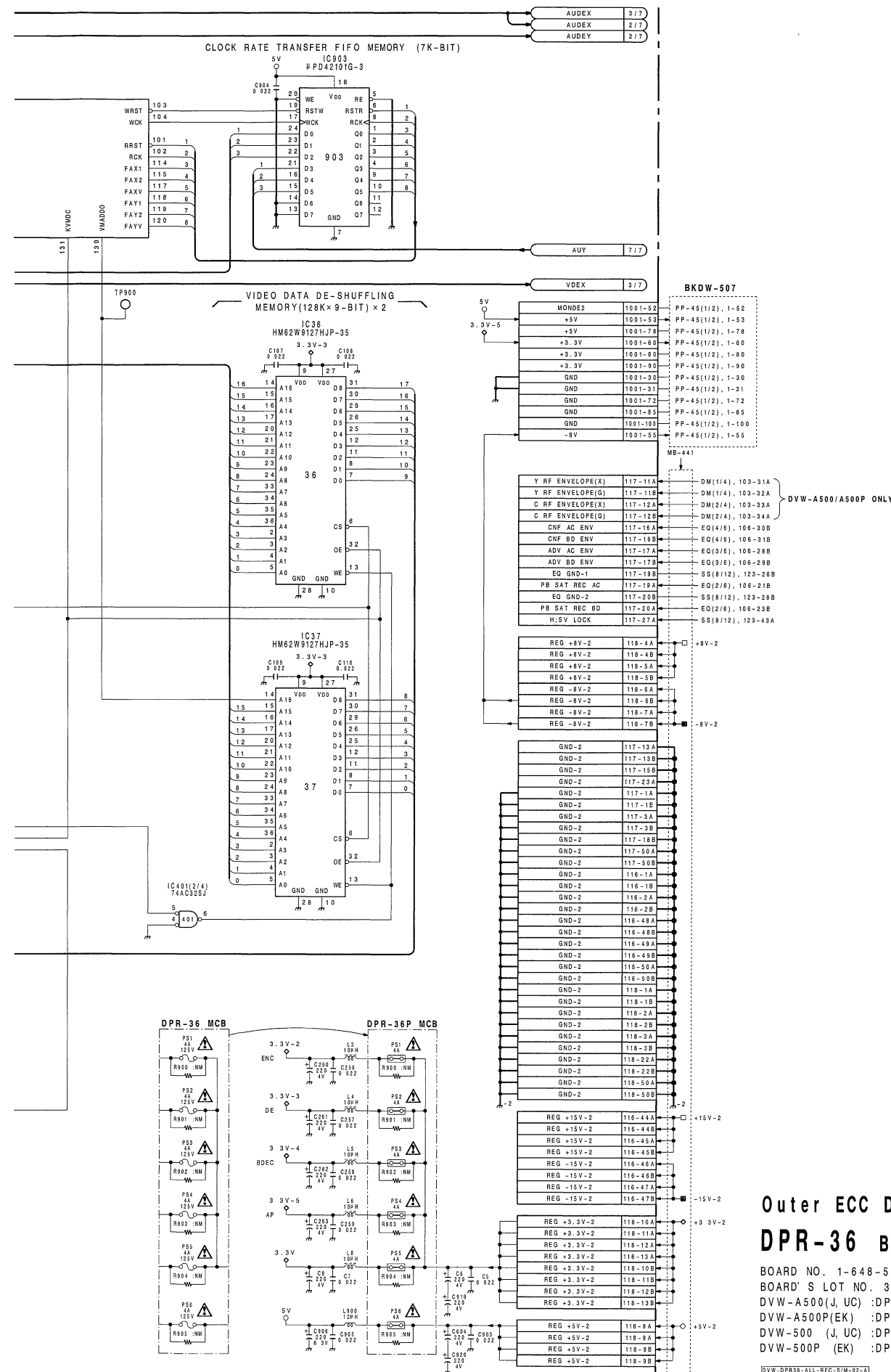


Inner ECC Decoder DPR-36 BOARD (5/7)

BOARD NO. 1-648-533-11
BOARD'S LOT NO. 302-303
DVW-A500(J, UC) : DPR-36 MCB
DVW-A500P(EK) : DPR-36P MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB

DVW-DPR36-ALL-REC-SIM-92-A

DPR-36 BOARD: 1-648-533-11



Outer ECC Decoder DPR-36 BOARD (6/7)

BOARD NO. 1-648-533-11
BOARD'S LOT NO. 302-303
DVW-A500(J, UC) : DPR-36 MCB
DVW-A500P(EK) : DPR-36P MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB

DVW-DPR36-ALL-REC-8/1M-02-A

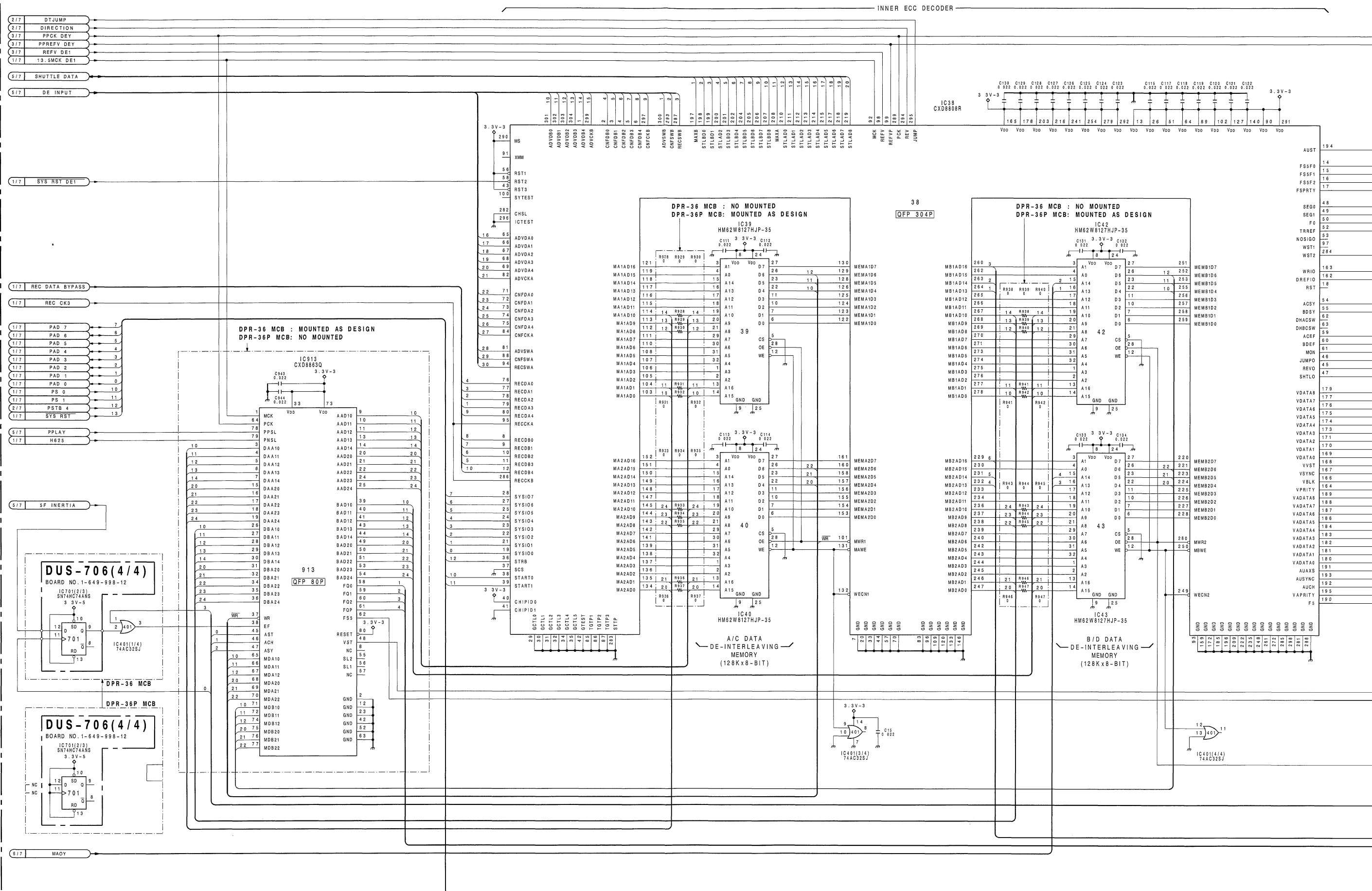
1

2

3

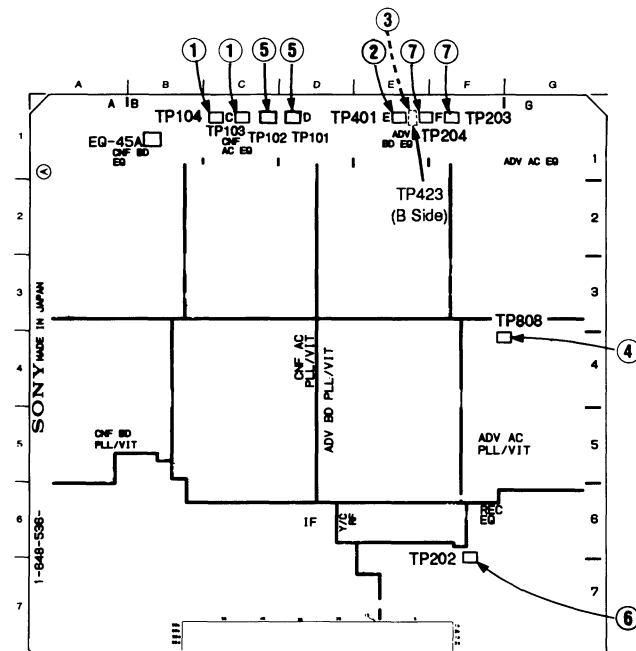
4

5

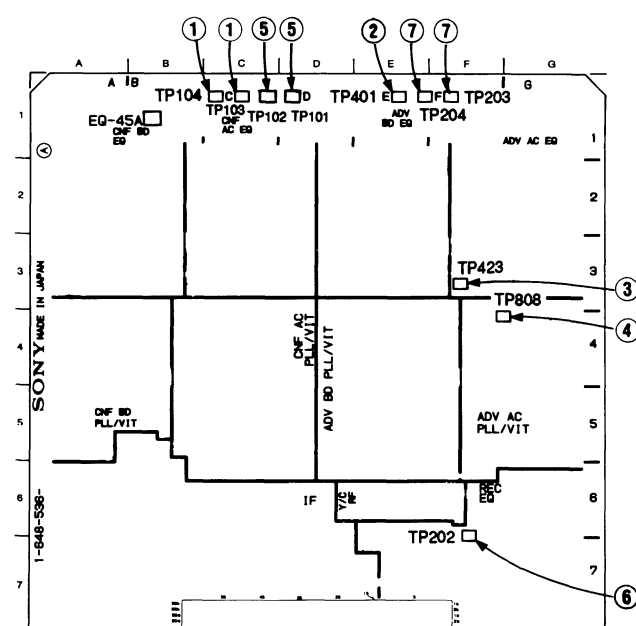




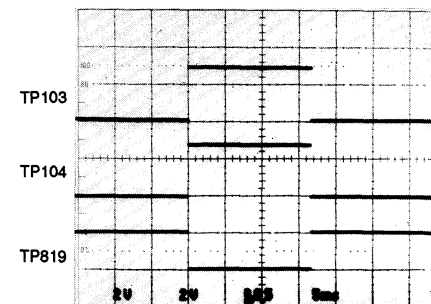
EQ-45 Board -A Side- (1-648-536-13/23)



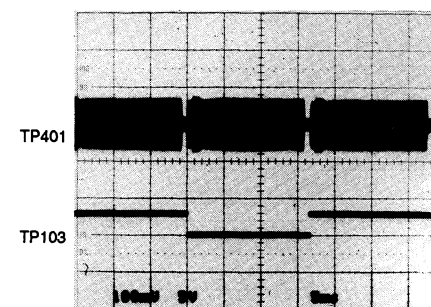
EQ-45 Board -A Side- (1-648-536-11, 12/22)

**CR5-1B PB mode
(DVW-A500 ONLY)**

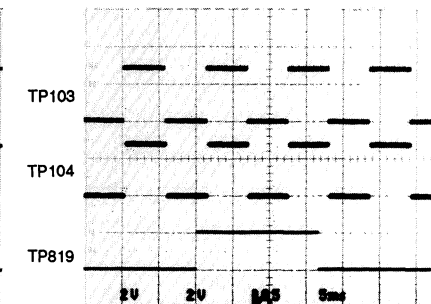
- ① TP103(C-1) PB mode
TP104(C-1) PB mode
TP819(SS-52)(J-1)(TRIG)



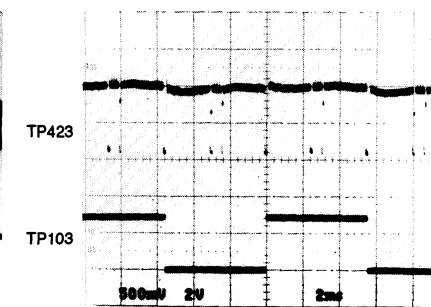
- ② TP401(E-1) PB mode(B/W LIMIT OFF)
TP103(C-1)(TRIG)

**ZR5-1 PB mode**

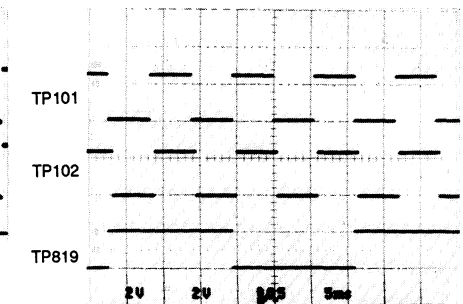
- ① TP103(C-1) PB mode
TP104(C-1) PB mode
TP819(SS-52)(J-1)(TRIG)



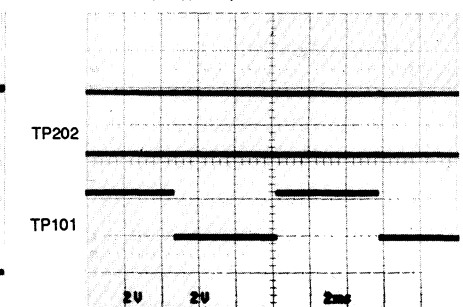
- ③ TP423 (E-1/F-3) PB mode
TP103(C-1)(TRIG)

**REC mode**

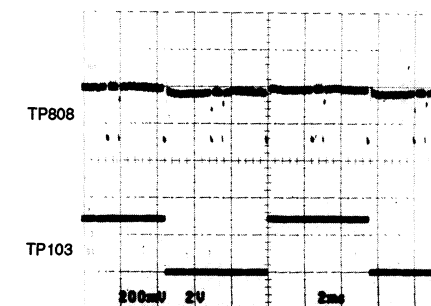
- ⑤ TP101(D-1) REC mode
TP102(C-1) REC mode
TP819(SS-52)(J-1)(TRIG)



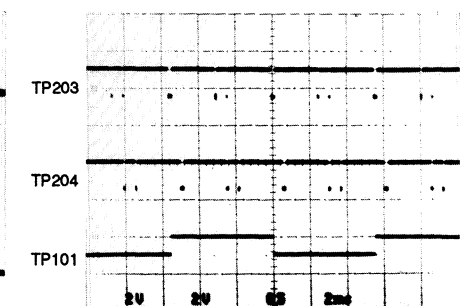
- ⑥ TP202(F-6) REC mode
TP101(D-1)(TRIG)



- ④ TP808(G-4) PB mode
TP103(C-1)(TRIG)



- ⑦ TP203(F-1) REC mode
TP204(E-1) REC mode
TP103(C-1)(TRIG)

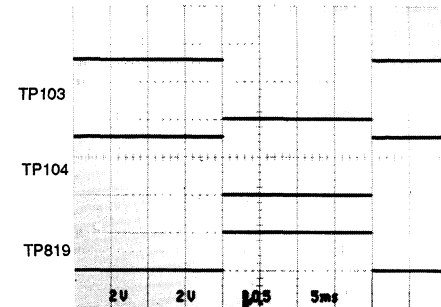


Measurement Condition
INPUT SIGNAL : 75% COLOR BARS
MODE : PB mode
 : REC mode
TAPE : ZR5-1
 : CR5-1B

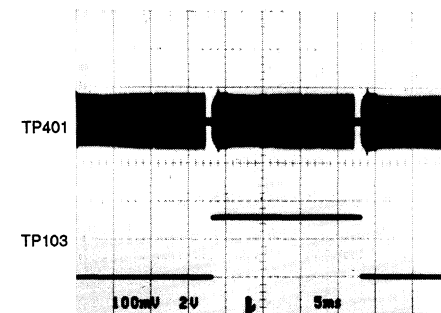
For DVW-A500/500

**CR5-1BPS PB mode
(DVW-A500P ONLY)**

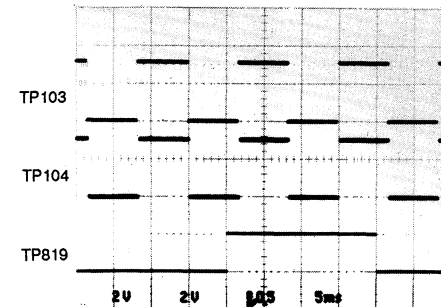
① TP103(C-1) PB mode
TP104(C-1) PB mode
TP819(SS-52A/52)(J-1)(TRIG)



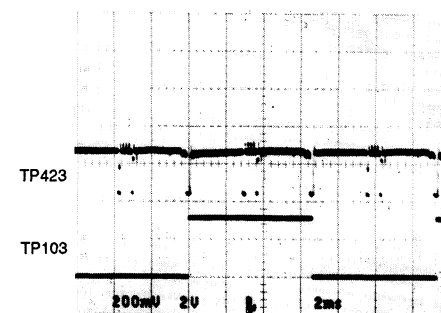
② TP401(E-1) PB mode(B/W LIMIT OFF)
TP103(C-1)(TRIG)

**ZR5-1P PB mode**

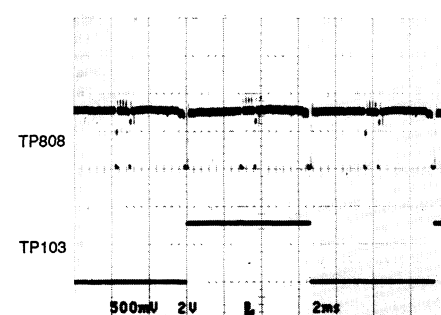
① TP103(C-1) PB mode
TP104(C-1) PB mode
TP819(SS-52A/52)(J-1)(TRIG)



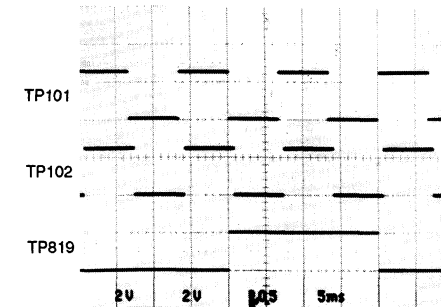
③ TP423 (E-1/F-3) PB mode
TP103(C-1)(TRIG)



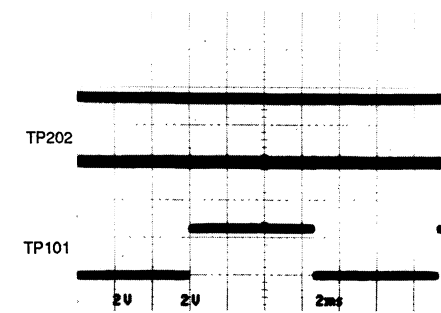
④ TP808(G-4) PB mode
TP103(C-1)(TRIG)

**REC mode**

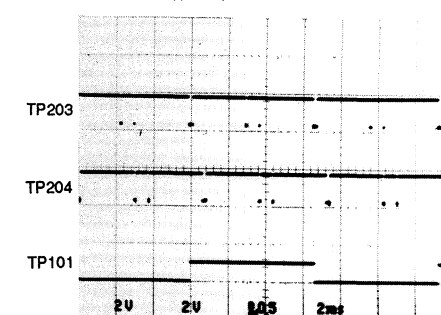
⑤ TP101(D-1) REC mode
TP102(C-1) REC mode
TP819(SS-52A/52)(J-1)(TRIG)



⑥ TP202(F-6) REC mode
TP101(D-1)(TRIG)



⑦ TP203(F-1) REC mode
TP204(E-1) REC mode
TP103(C-1)(TRIG)

**Measurement Condition**

INPUT SIGNAL : 100% COLOR BARS

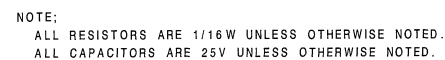
MODE : PB mode

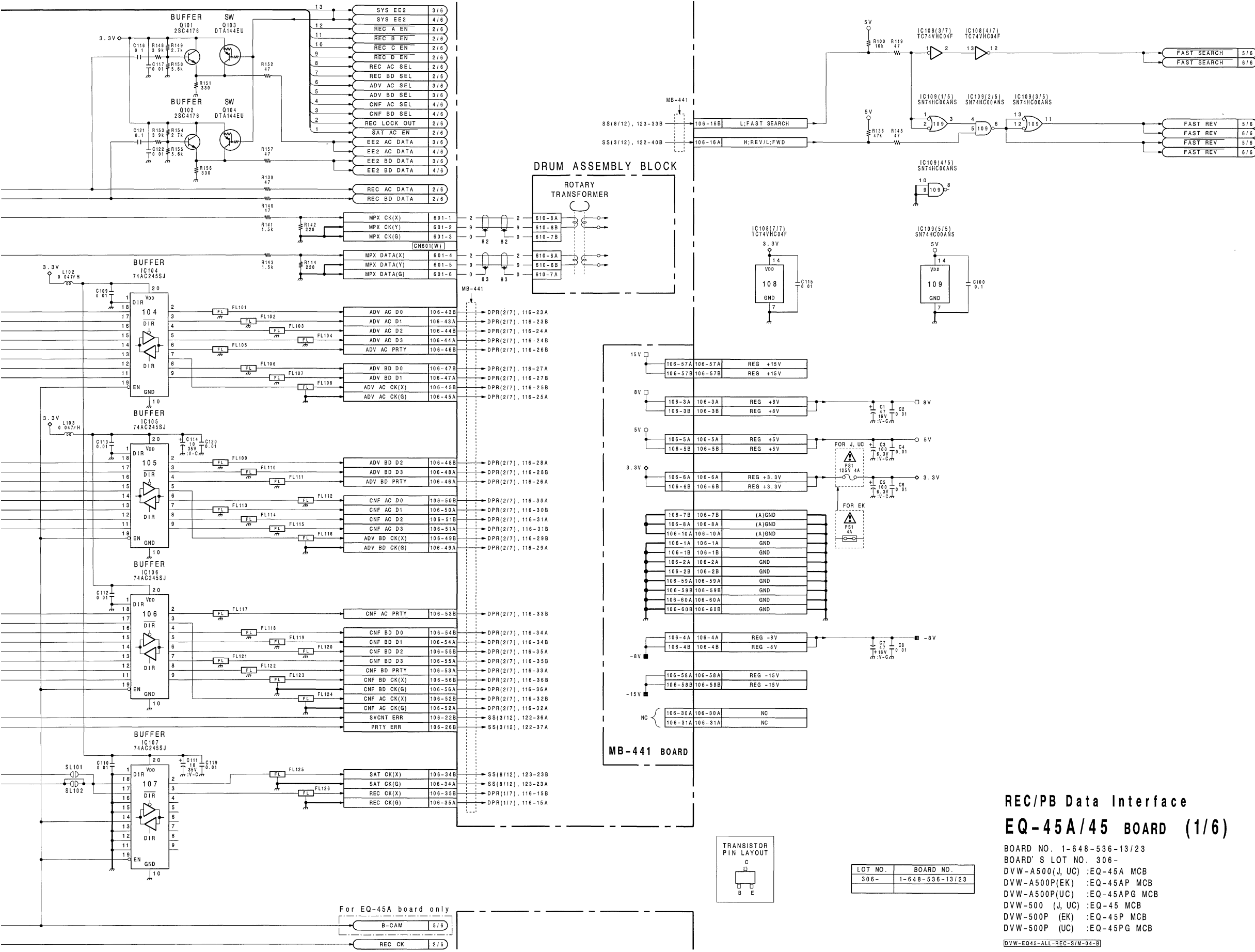
: REC mode

TAPE : ZR5-1P

: CR5-1BPS

For DVW-A500P/500P

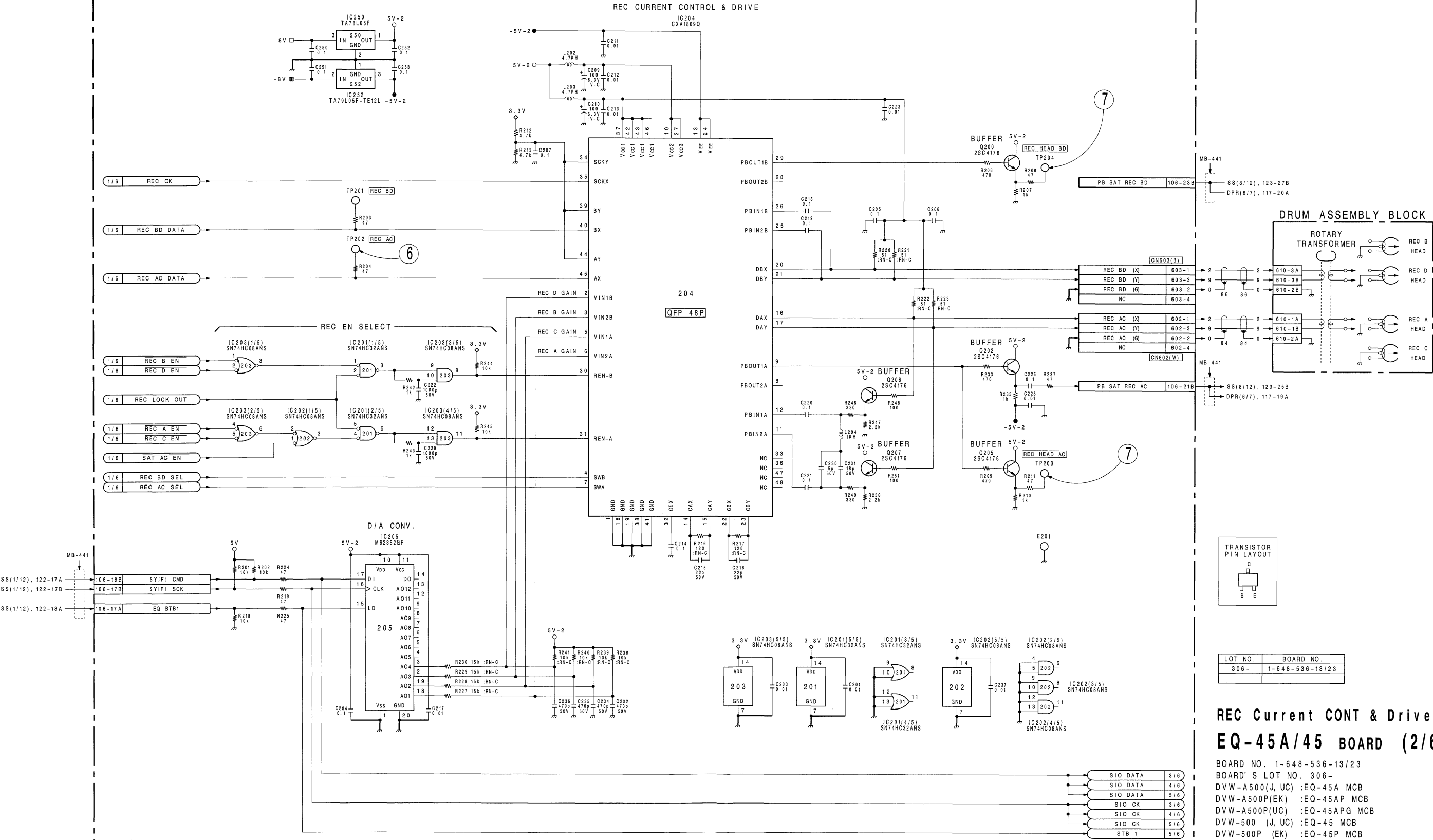




REC/PB Data Interface
EQ-45A/45 BOARD (1/6)

BOARD NO. 1-648-536-13/23
BOARD'S LOT NO. 306-
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB
DVW-500P (UC) :EQ-45PG MCB

DVW-EQ45-ALL-REC-S/M-04-B



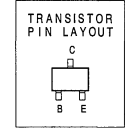
NOTE:
ALL RESISTORS ARE 1/16W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

LOT NO.	BOARD NO.
306-	1-648-536-13/23

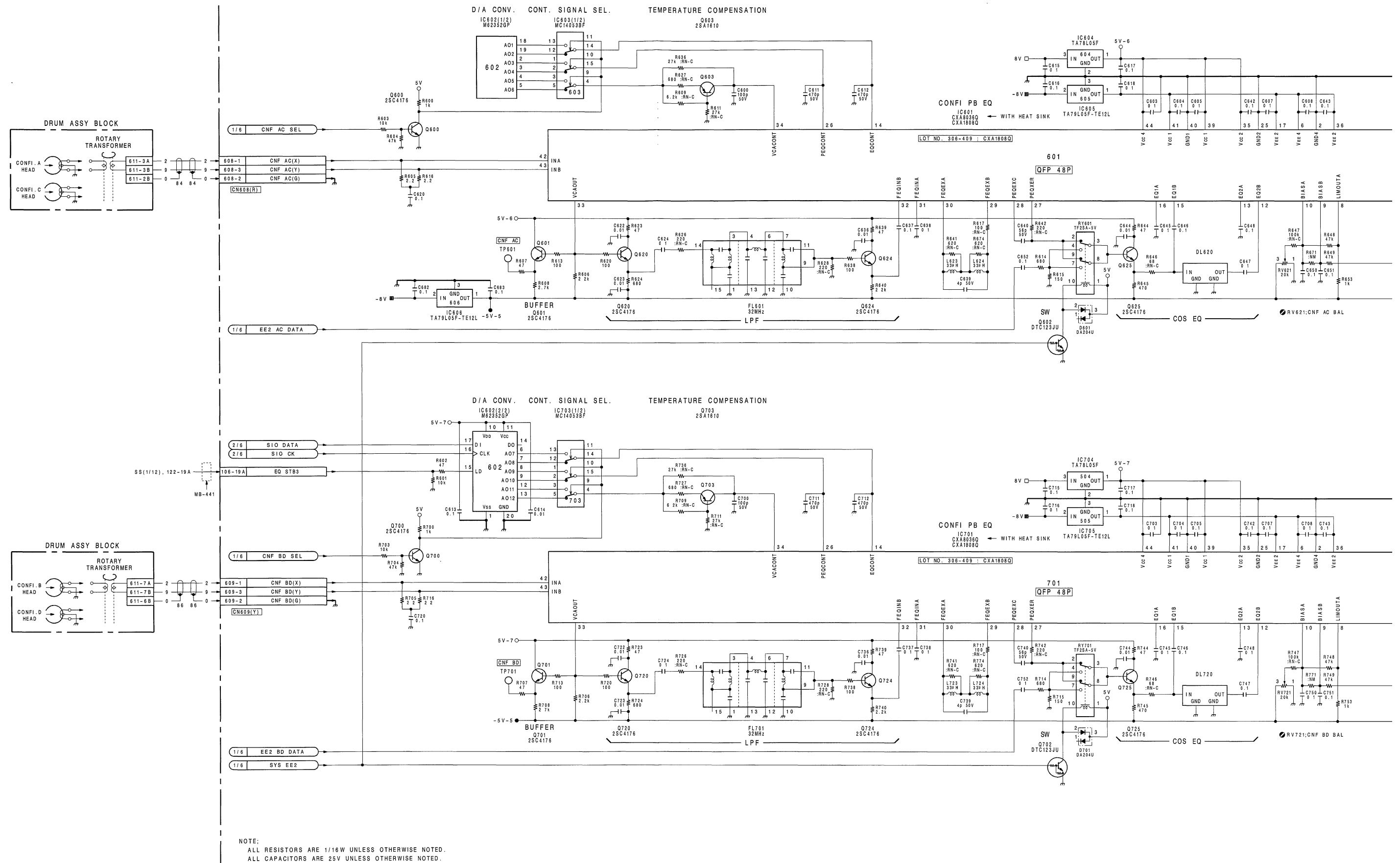
REC Current CONT & Drive
EQ-45A/45 BOARD (2/6)

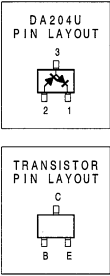
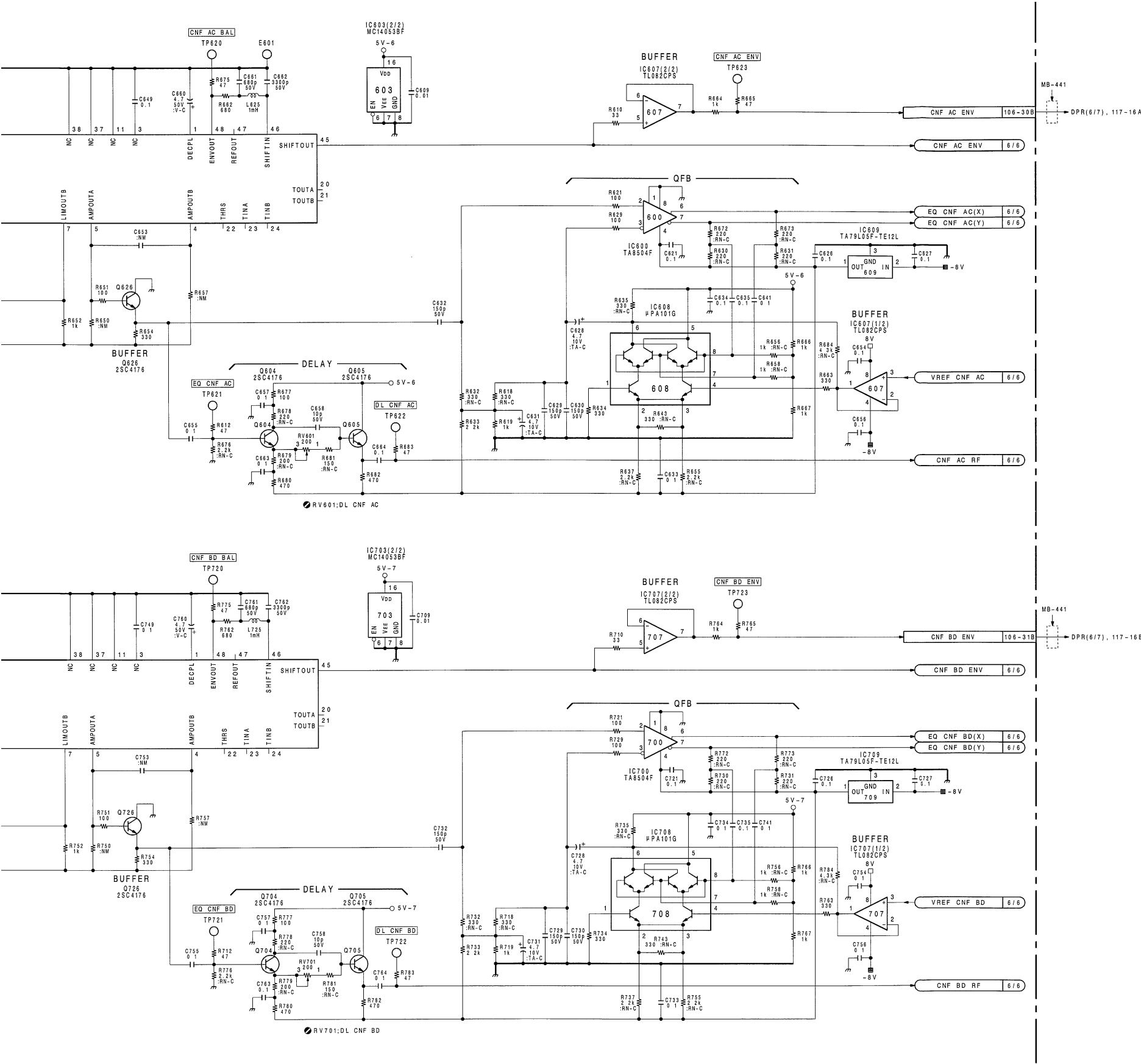
BOARD NO. 1-648-536-13/23
BOARD' S LOT NO. 306-
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB
DVW-500P (UC) :EQ-45PG MCB

DVW-EQ45-ALL-REC-S/M-04-B



DVW-EQ45-ALL-REC-S/M-04-B



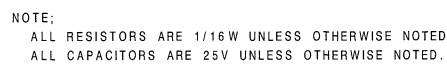


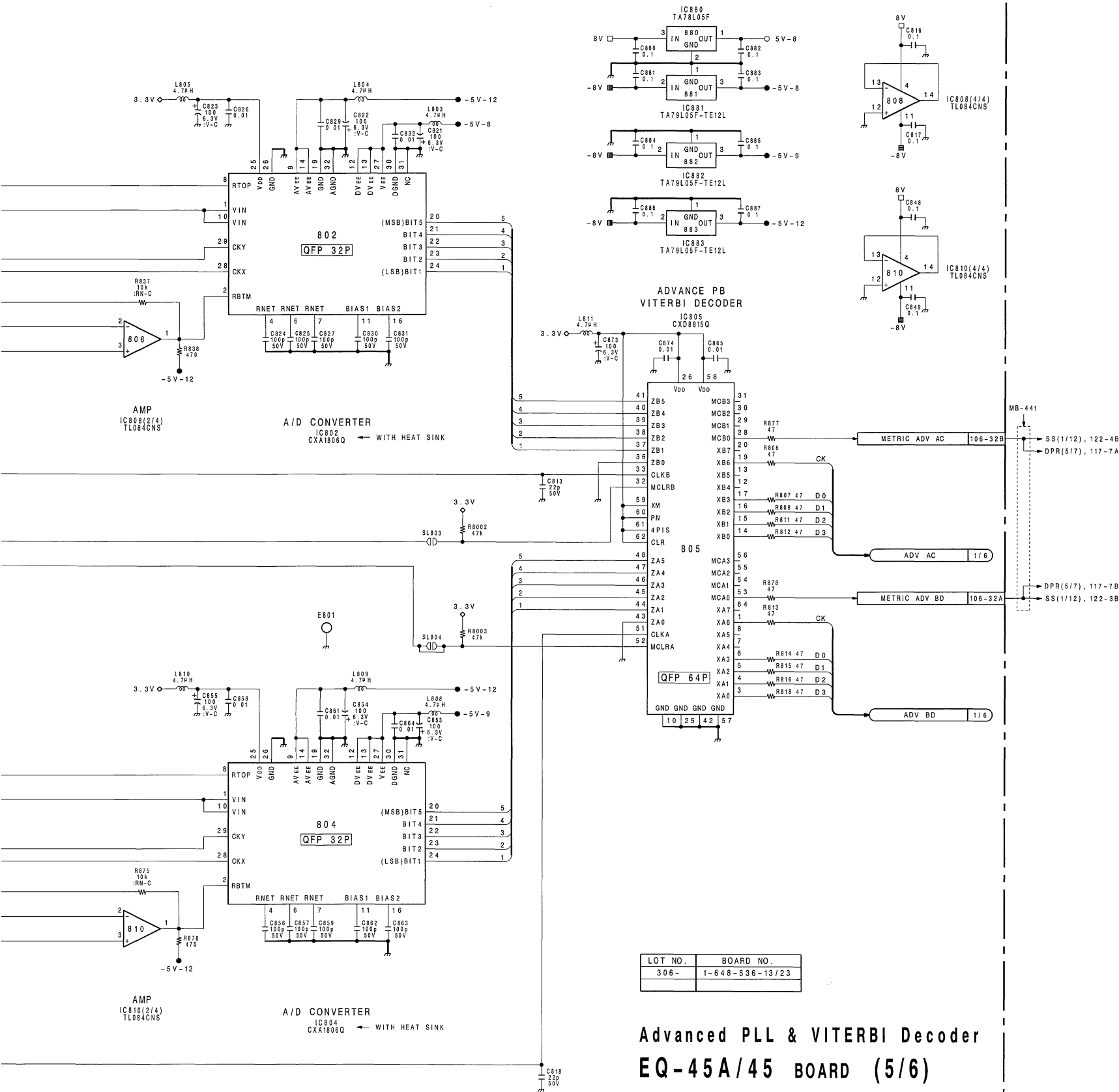
LOT NO.	BOARD NO.
306-	1-648-536-13/23

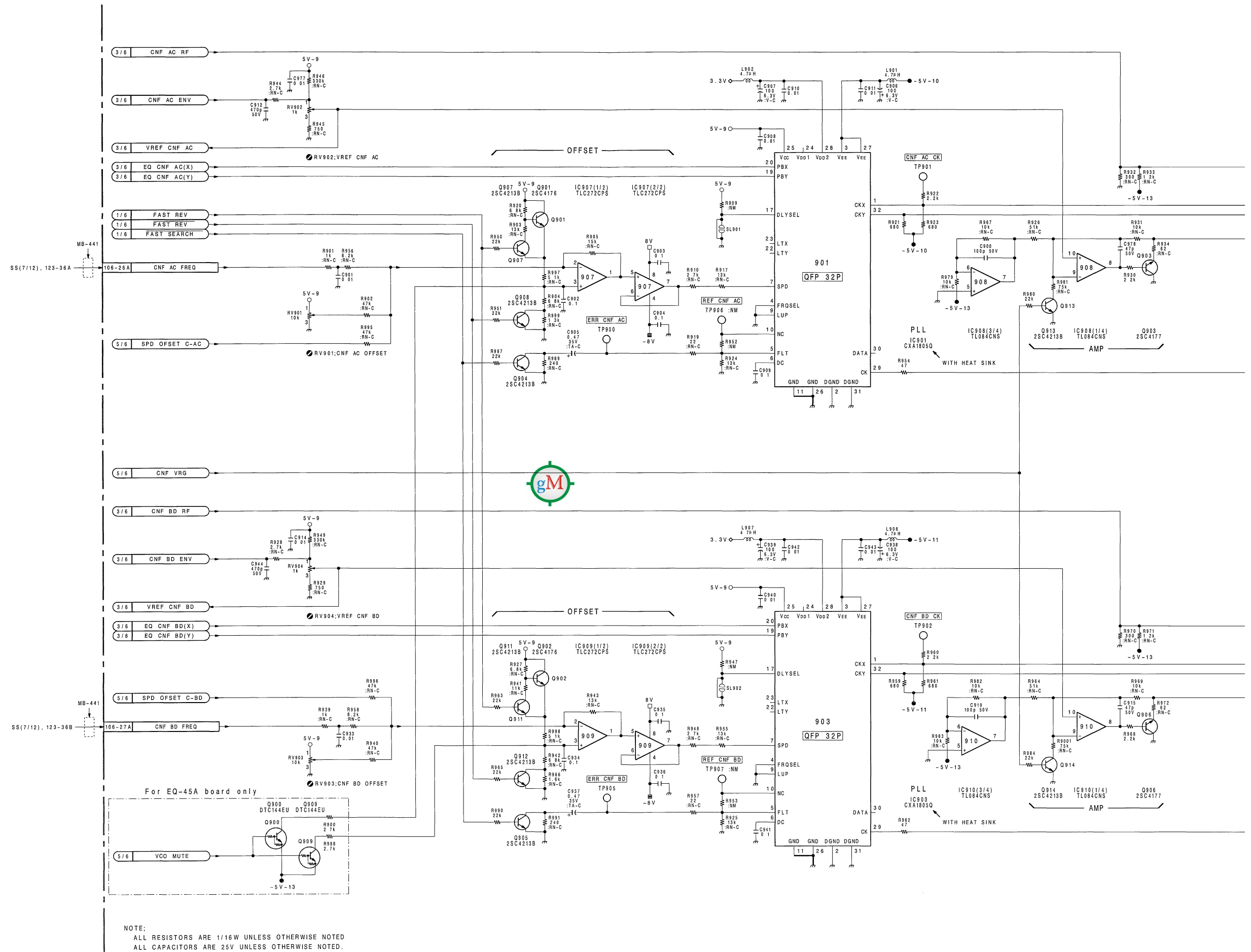
Confi PB EQ
EQ-45A/45 BOARD (4/6)

BOARD NO. 1-648-536-13/23
BOARD'S LOT NO. 306-
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB
DVW-500P (UC) :EQ-45PG MCB

DVW-EQ45-ALL-REG-S/M-04-B





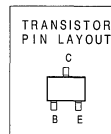


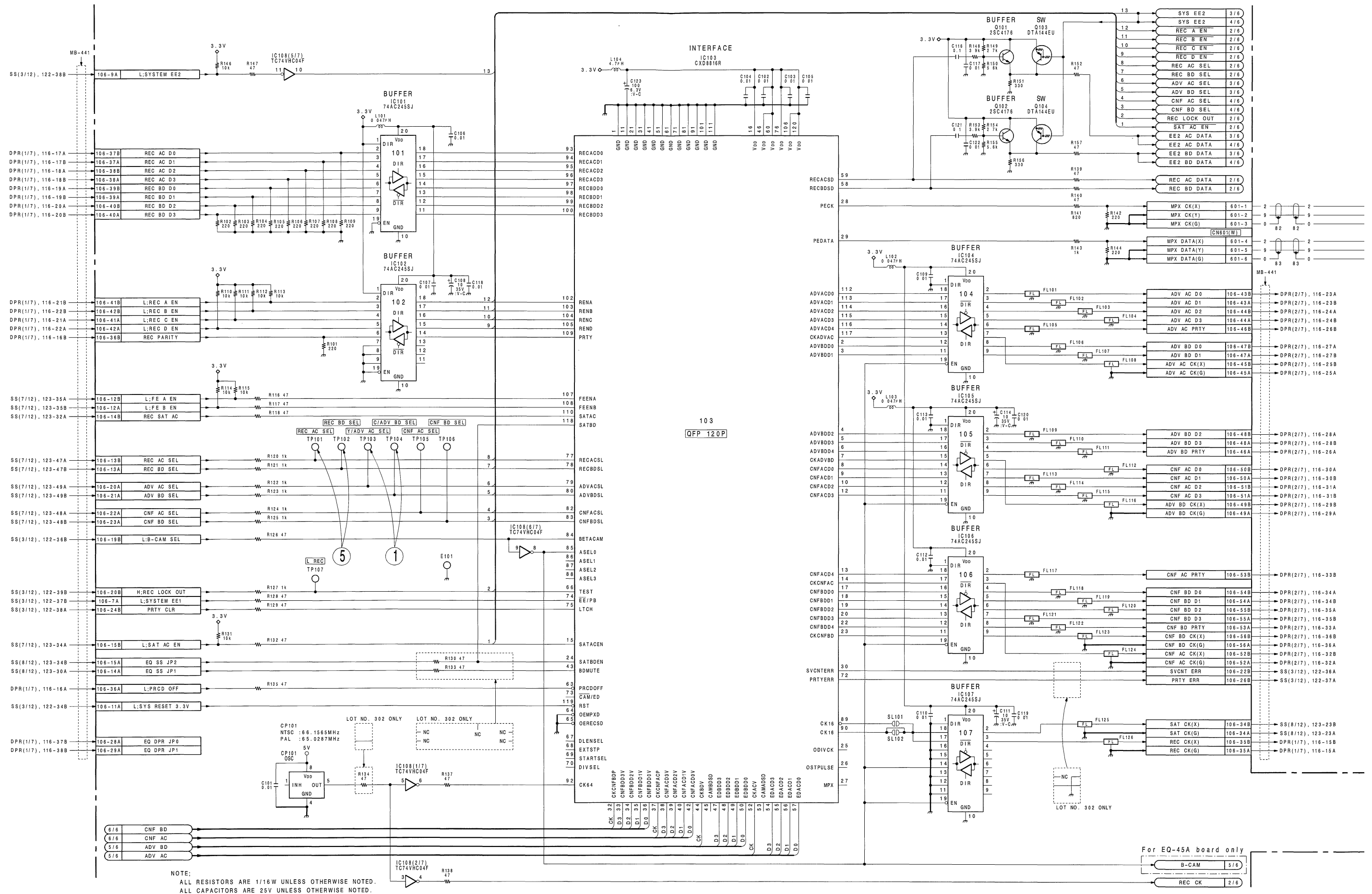
LOT NO.	BOARD NO.
306-	1-648-536-13/23

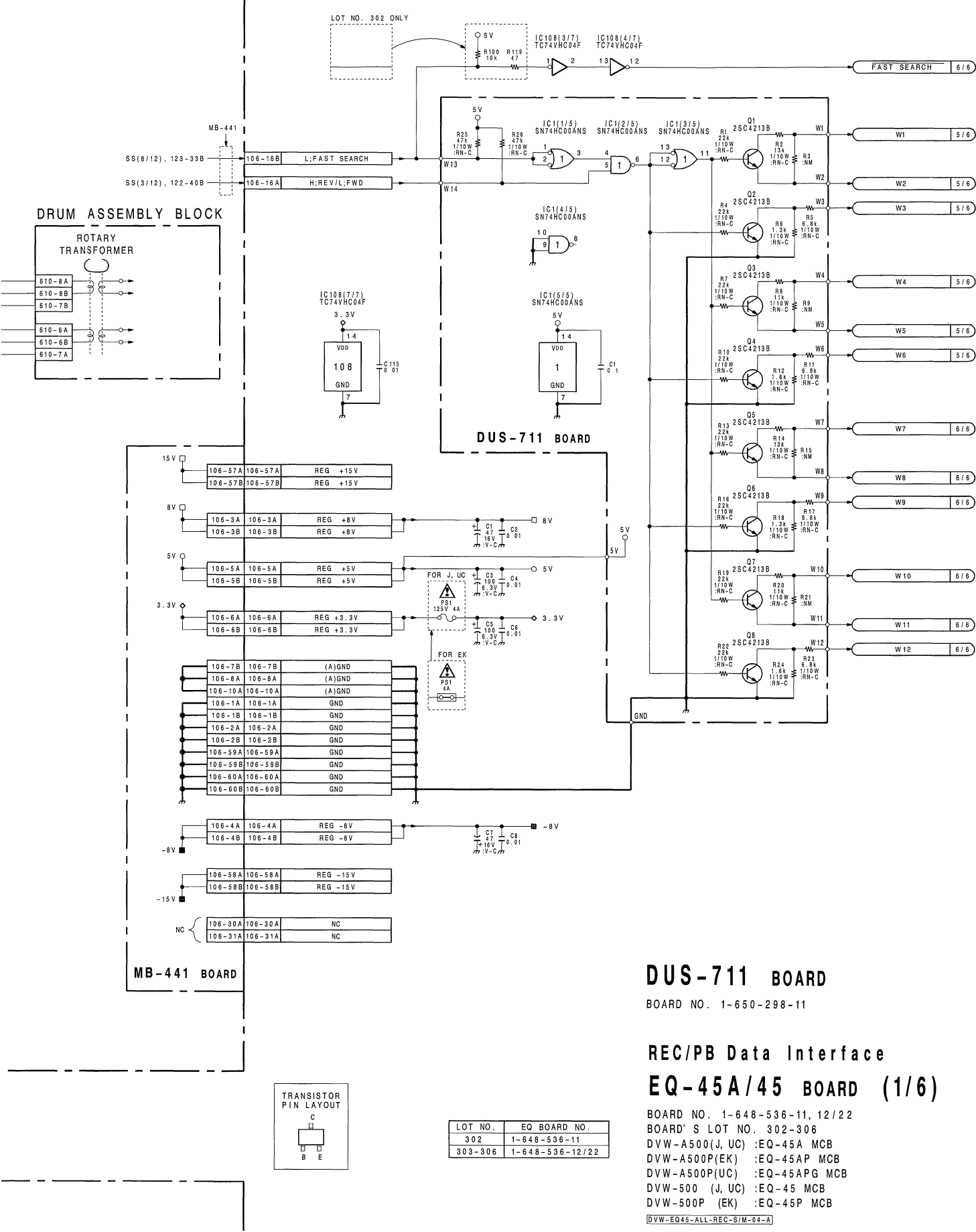
Conf PLL & VITERBI Decoder
EQ-45A/45 BOARD (6/6)

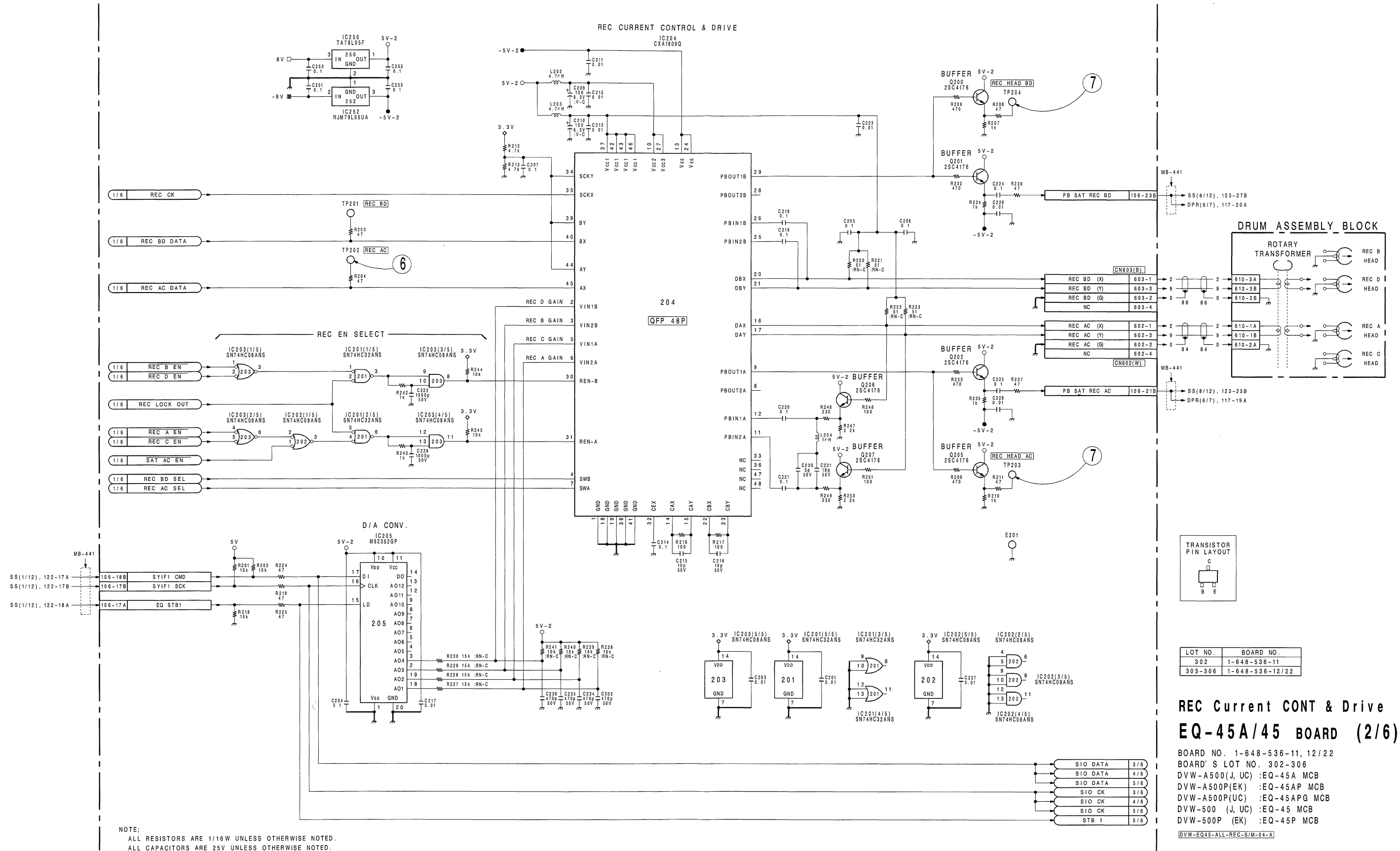
BOARD NO. 1-648-536-13/23
BOARD' S LOT NO. 306-
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB
DVW-500P (UC) :EQ-45PG MCB

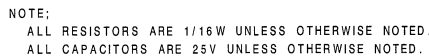
DVW-EQ45-ALL-REC-S/M-04-B

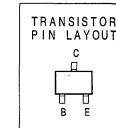
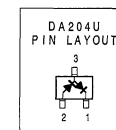
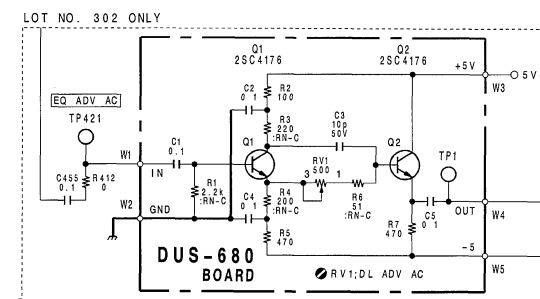
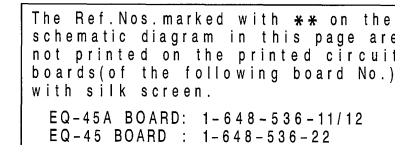
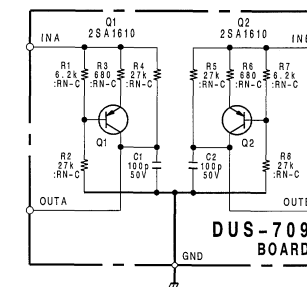












LOT NO.	EQ BOARD NO.
302	1-648-536-11
303-306	1-648-536-12/22

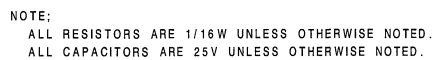
BOARD NO. 1-650-293-11

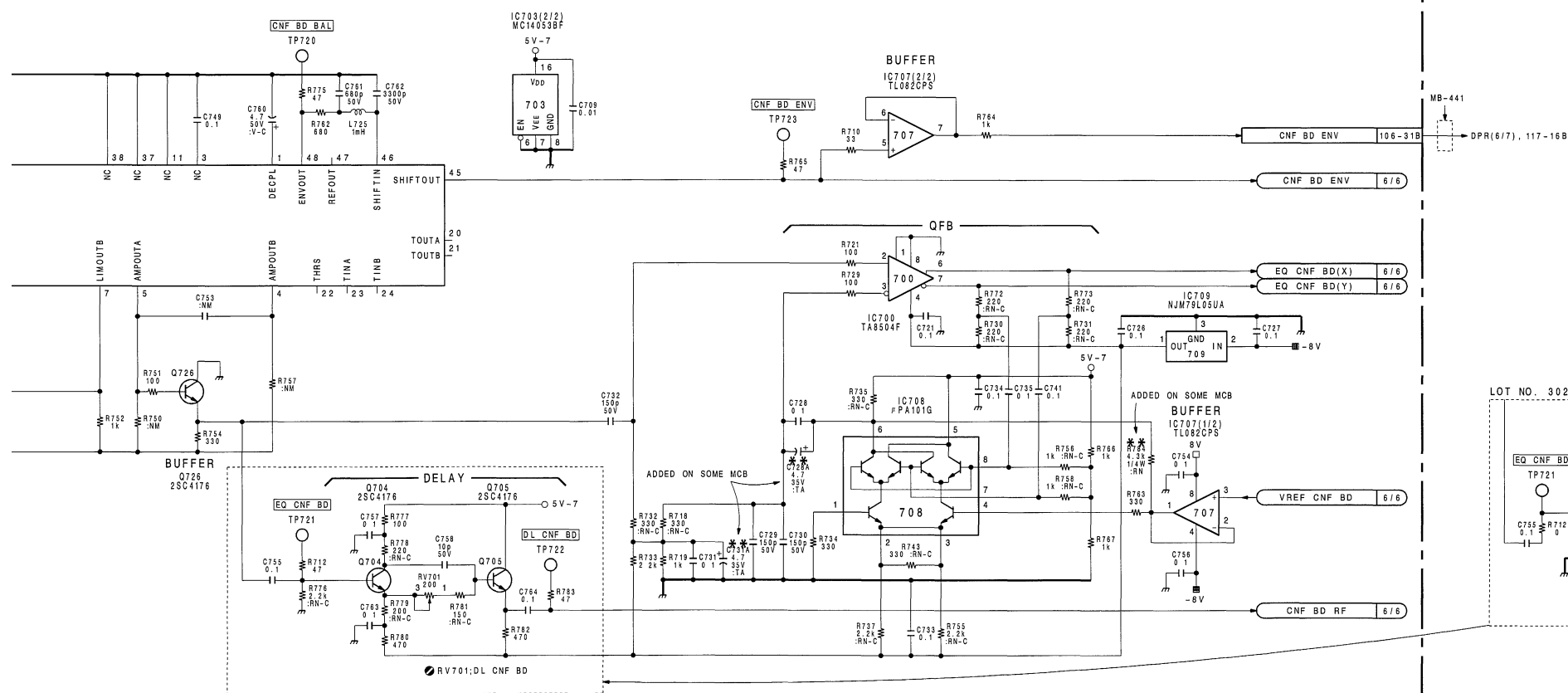
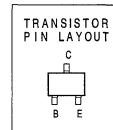
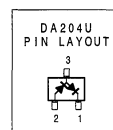
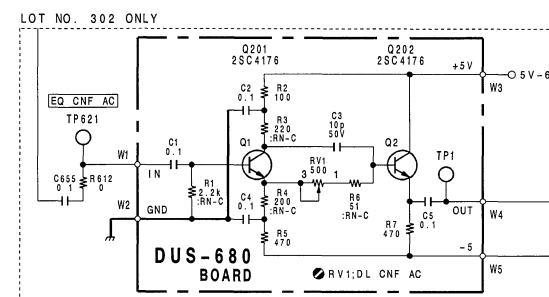
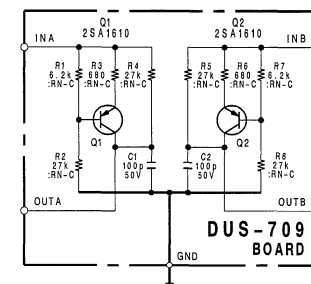
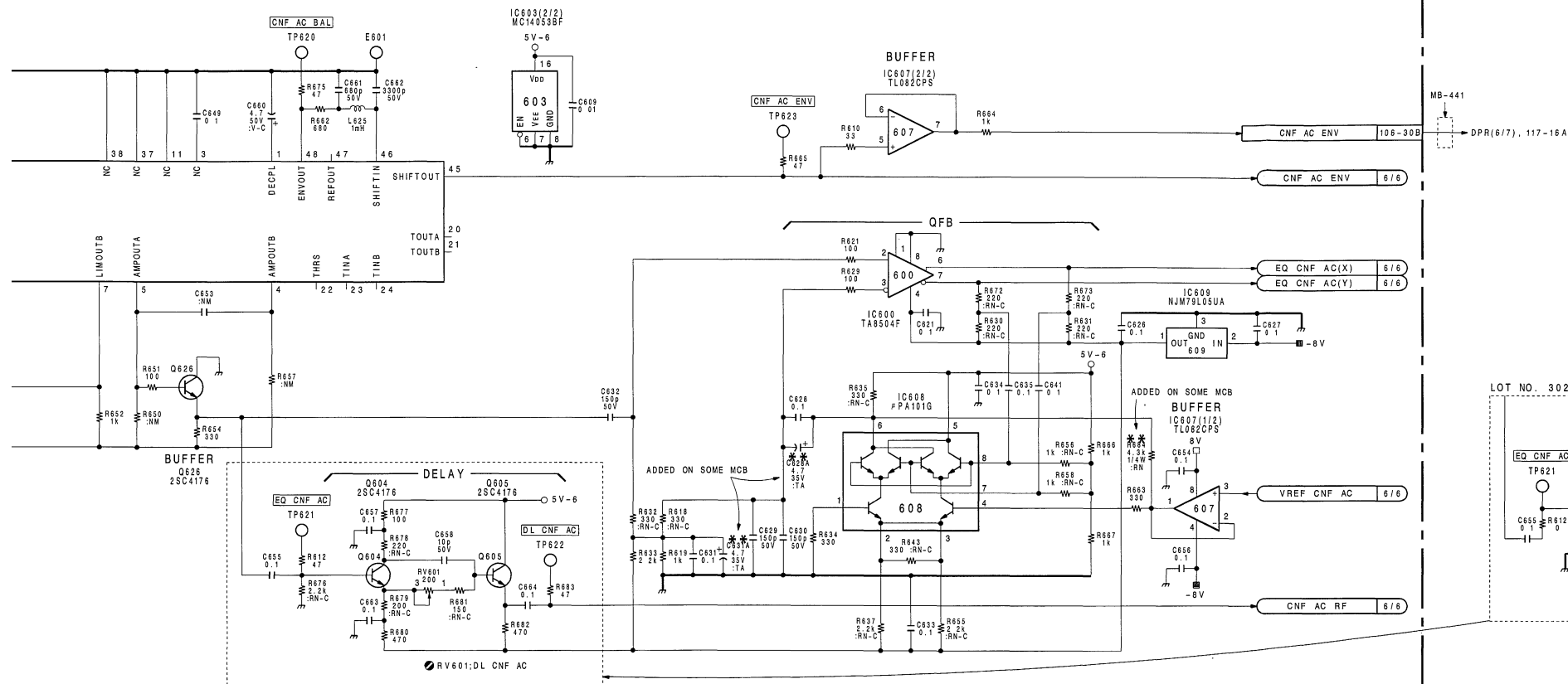
BOARD NO. 1-649-270-11
FOR EQ-45A(1-648-536-11) OF LOT NO. 302
DVW-A500P(EK)

Advanced PB EQ
EQ-45A/45 BOARD (3/6)

BOARD NO. 1-648-539-11, 12/22
BOARD'S LOT NO. 302-306
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB

DVW-EQ45-ALL-REC-S/M-04-A





The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards(of the following board No.) with silk screen.

EQ-45A BOARD: 1-648-536-11/12
EQ-45 BOARD : 1-648-536-22

LOT NO.	EQ BOARD NO.
302	1-648-536-11
303-306	1-648-536-12/22

Temperature Compensation

BOARD NO. 1-650-293-11

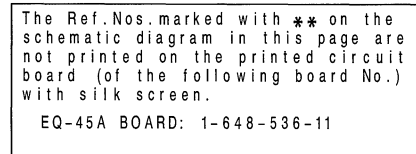
Delay
DUS-680 BOARD

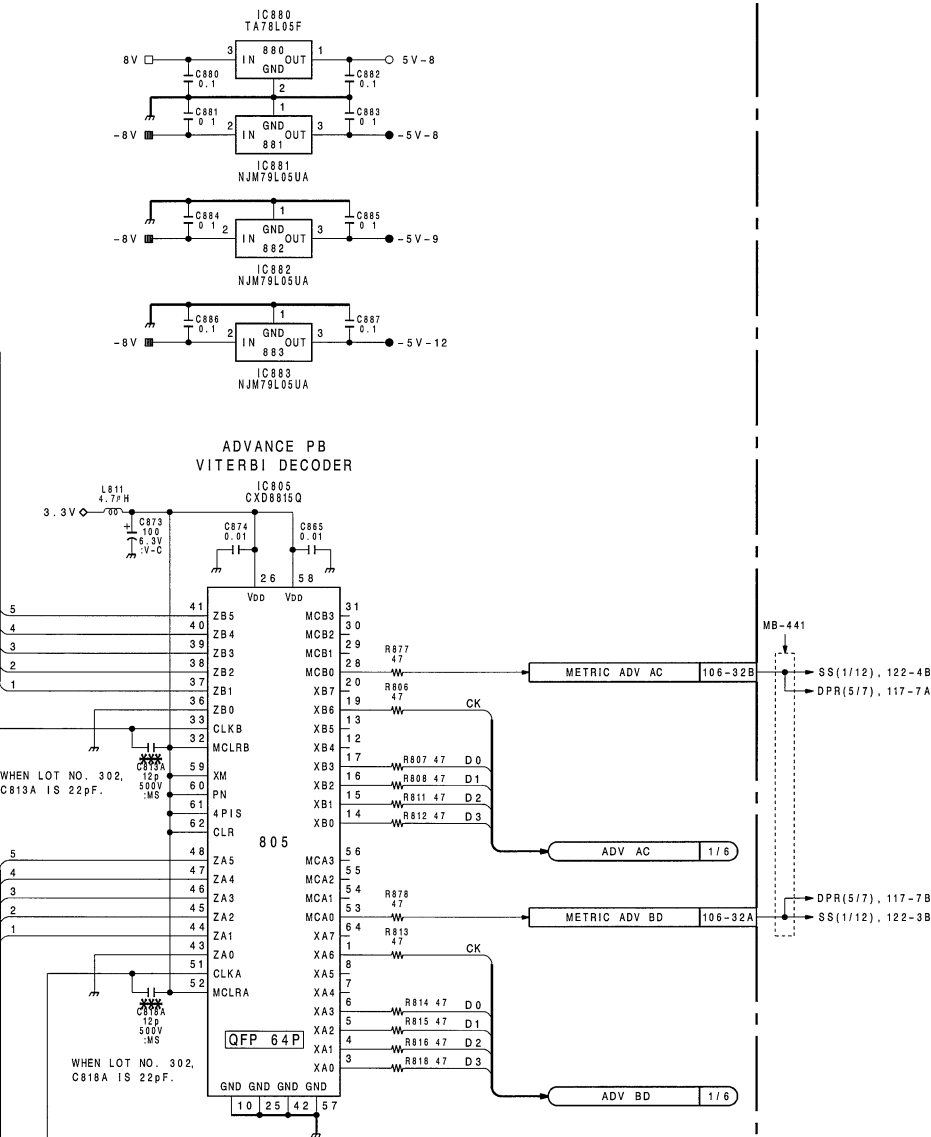
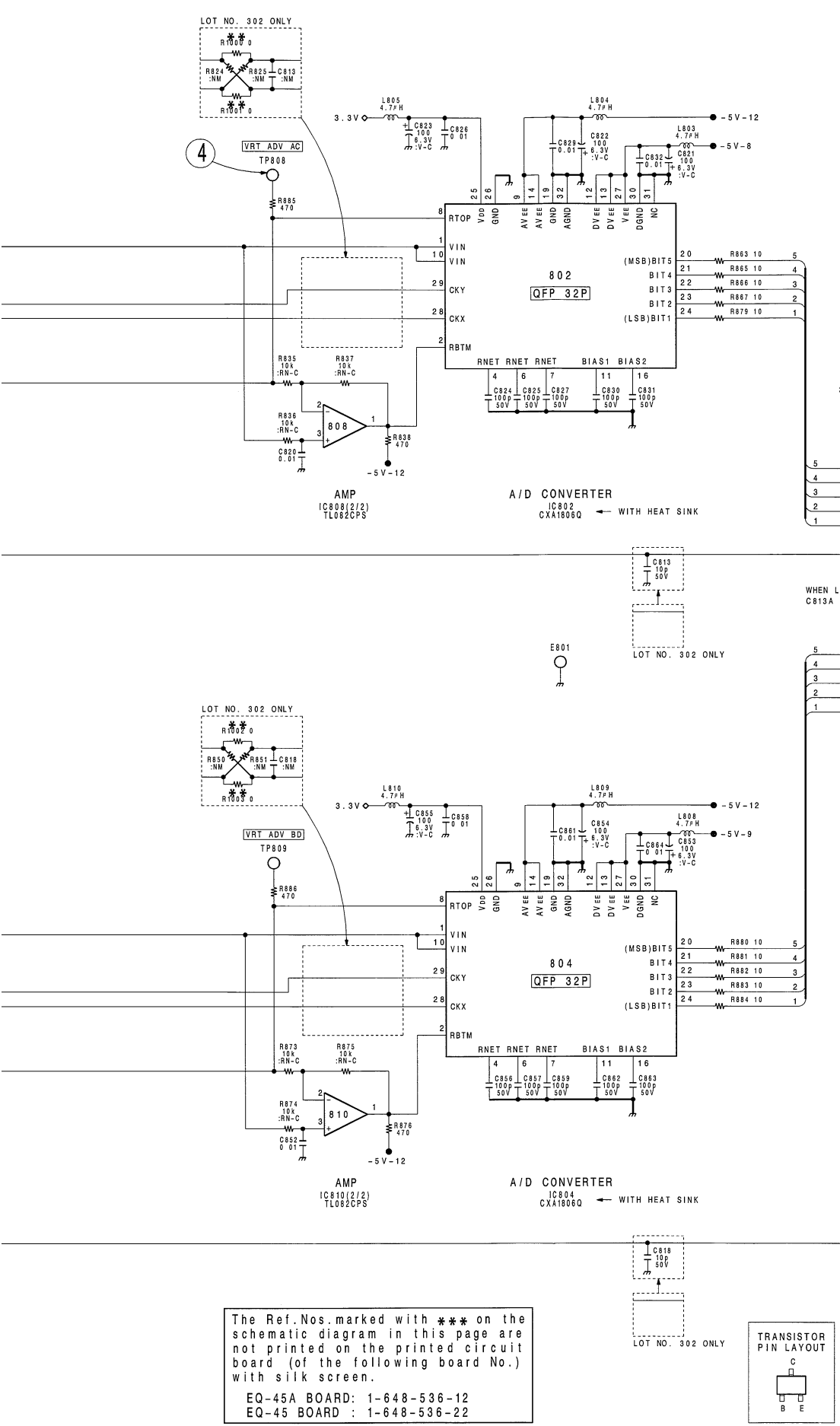
BOARD NO. 1-649-270-11
FOR EQ-45A(1-648-536-11) OF LOT NO. 302
DVW-A500P(EK)

Confidential
EQ-45A/45 BOARD (4/6)

BOARD NO. 1-648-536-11, 12/22
BOARD' S LOT NO. 302-306
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB

DYW-EQ45-ALL-REC-S/M-04-A





LOT NO.	EQ BOARD NO.
302	1-648-536-11
303-306	1-648-536-12/22

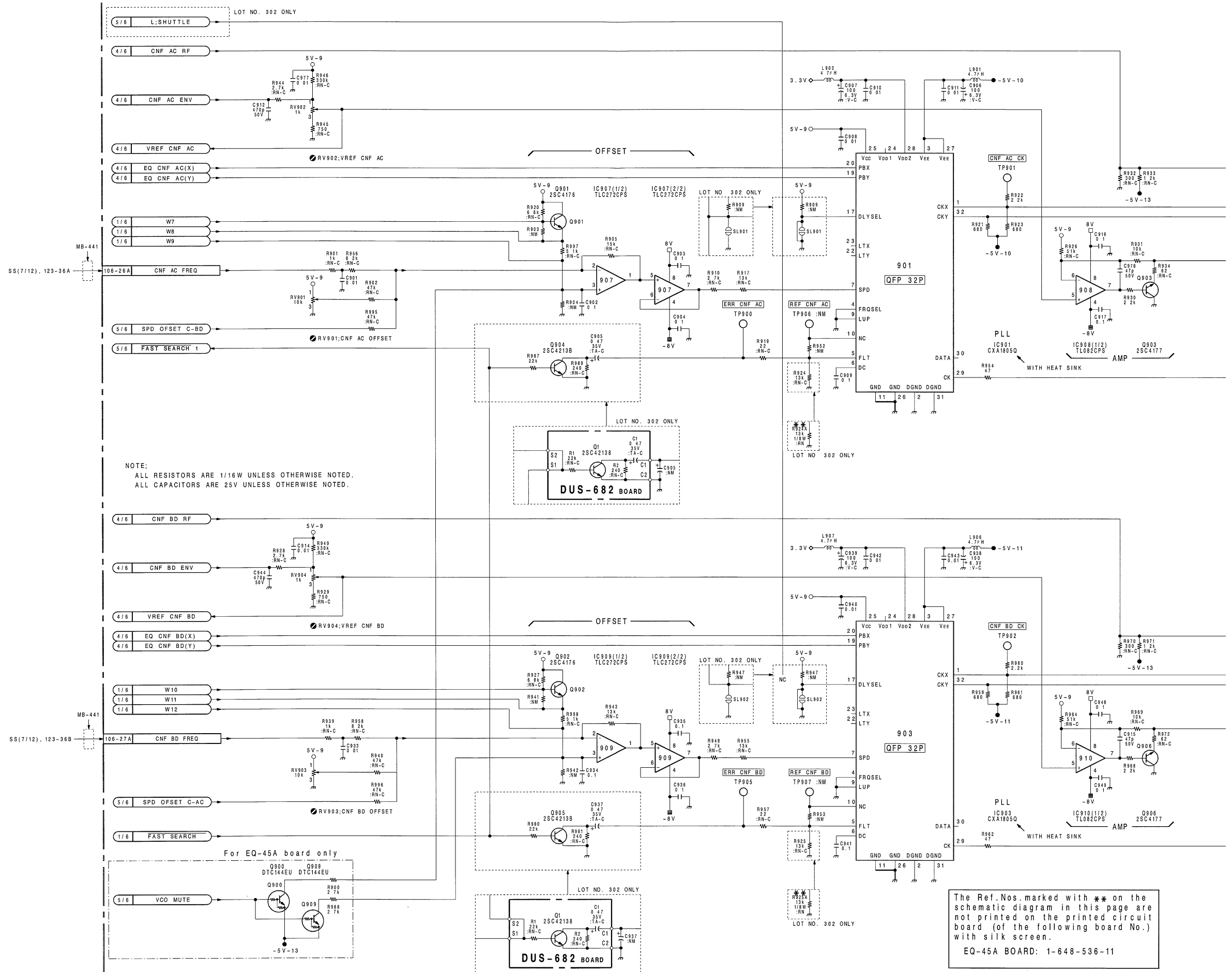
DUS-682 BOARD

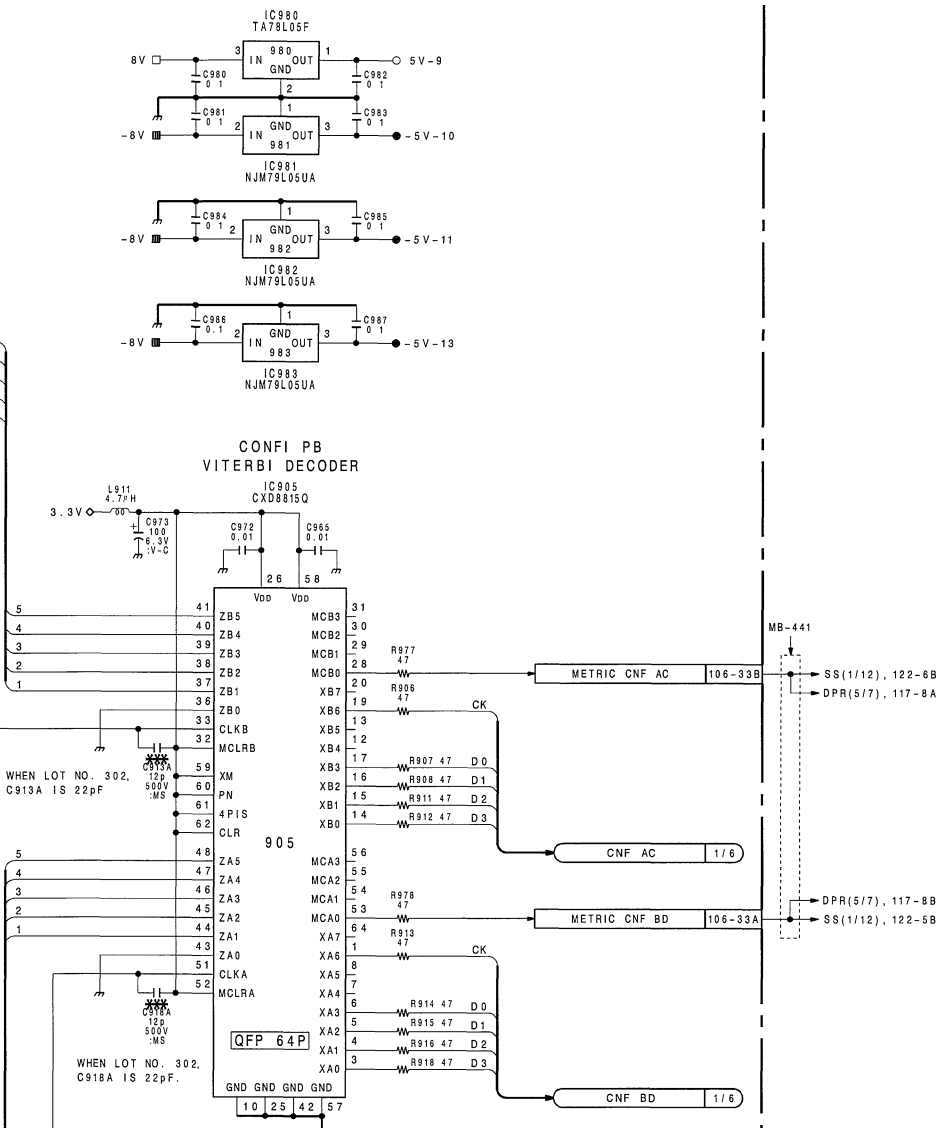
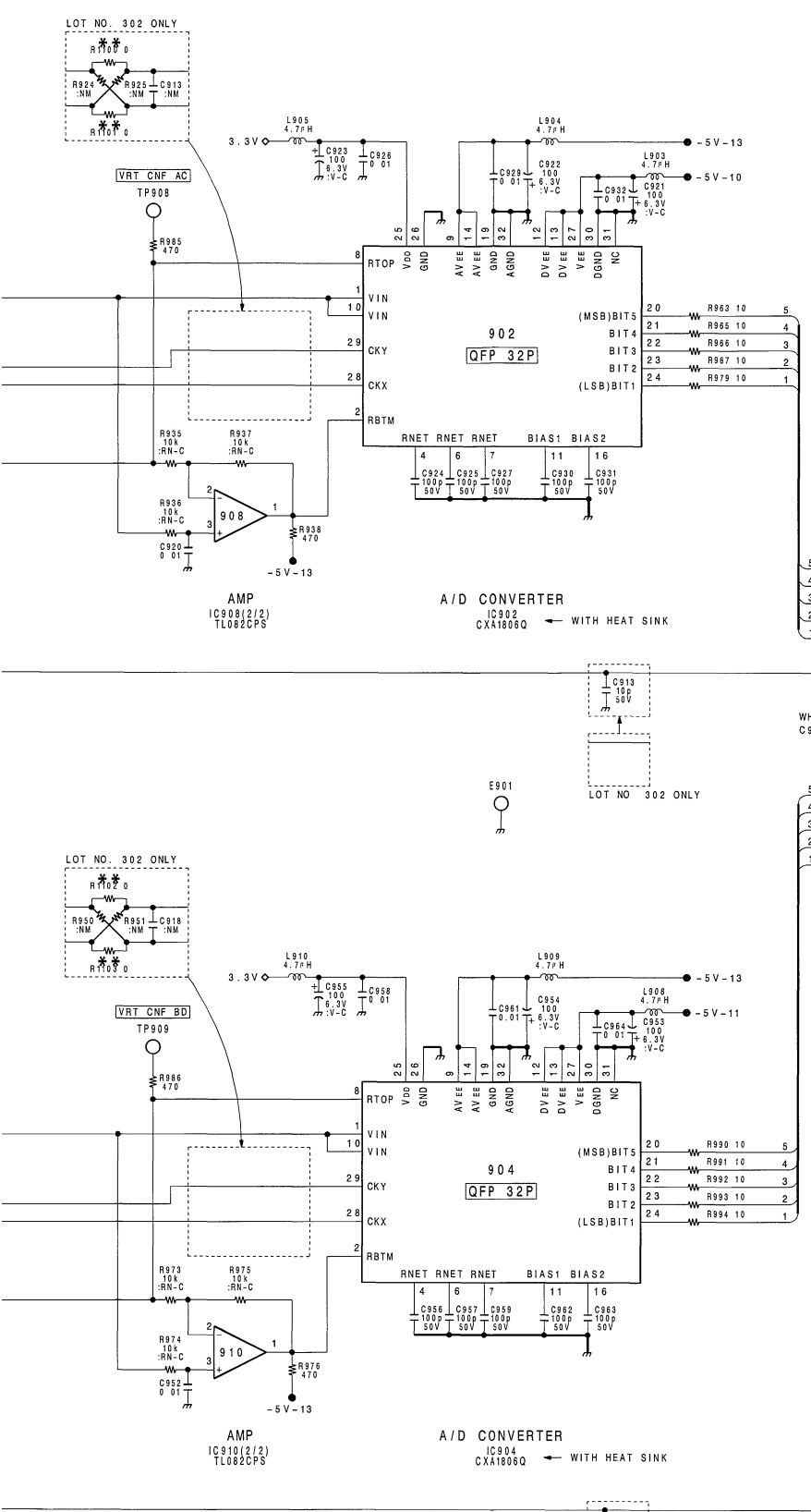
BOARD NO. 1-649-272-11
FOR EQ-45A(1-648-536-11) OF LOT NO. 302
DVW-A500P(EK)

Advanced PLL & VITERBI Decoder
EQ-45A/45 BOARD (5/6)

BOARD NO. 1-648-536-11, 12/22
BOARD' S LOT NO. 302-306
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB

DVW-EQ45-ALL-REG-S/M-04-A





LOT NO.	EQ BOARD NO.
302	1-648-536-11
303-306	1-648-536-12/22

DUS-682 BOARD

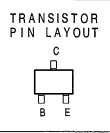
BOARD NO. 1-649-272-11
FOR EQ-45A(1-648-536-11) OF LOT NO. 302
DVW-A500P(EK)

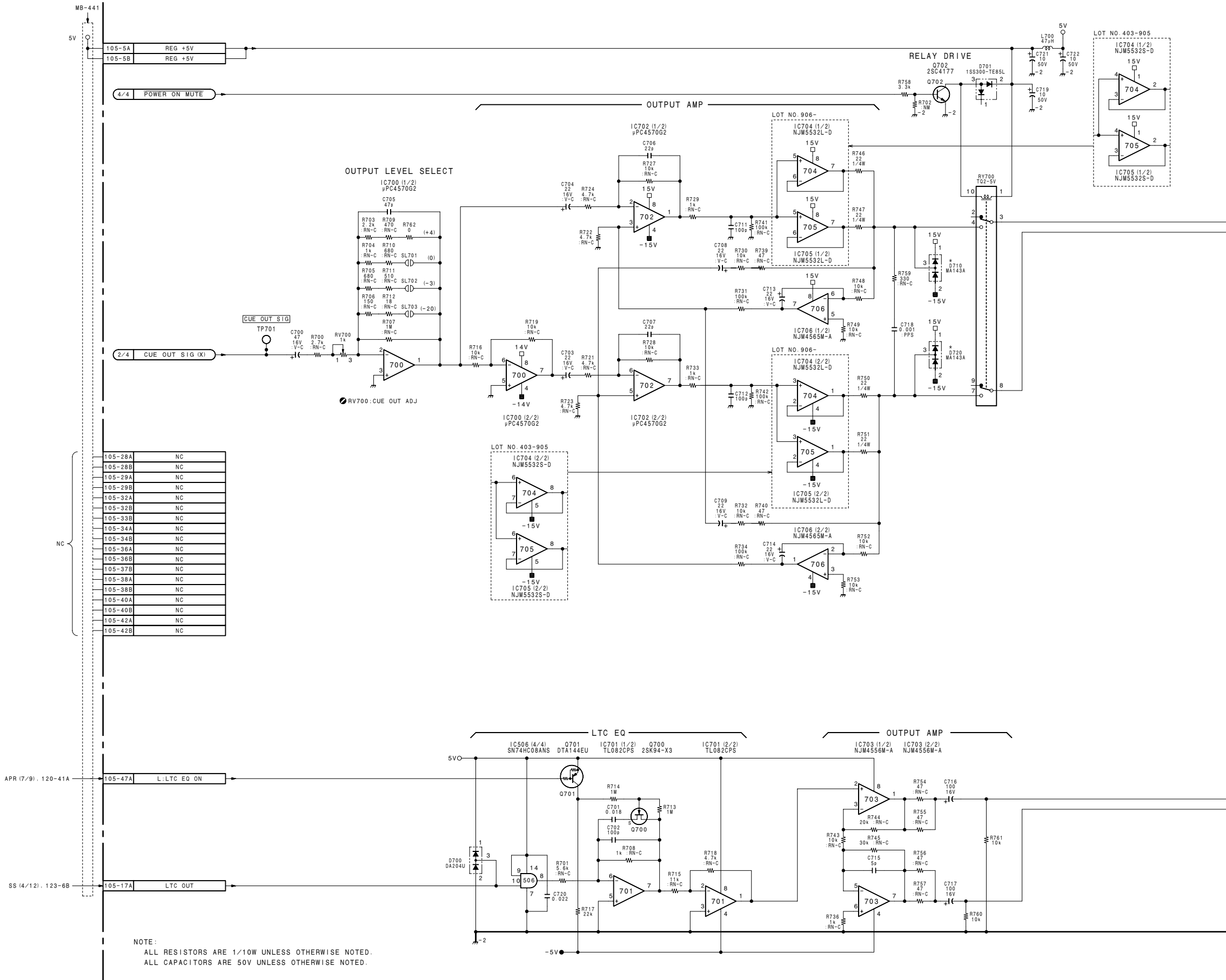
Confi PLL & VITERBI Decoder
EQ-45A/45 BOARD (6/6)

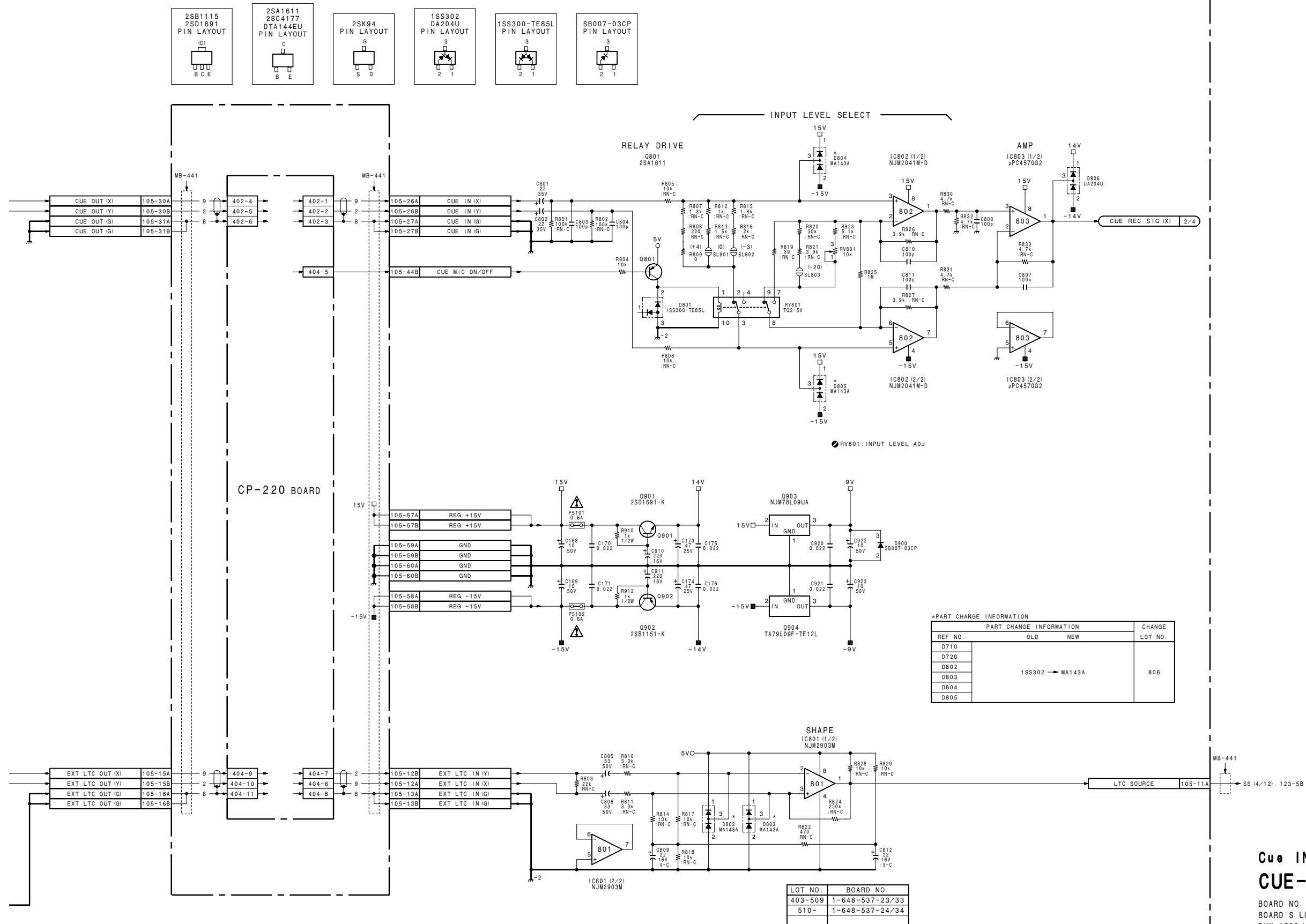
BOARD NO. 1-648-536-11, 12/22
BOARD'S LOT NO. 302-306
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB

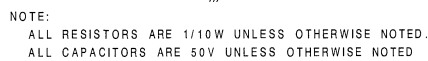
DVW-EQ45-ALL-REC-S/M-04-A

The Ref.Nos.marked with *** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
EQ-45A BOARD: 1-648-536-12
EQ-45 BOARD : 1-648-536-22

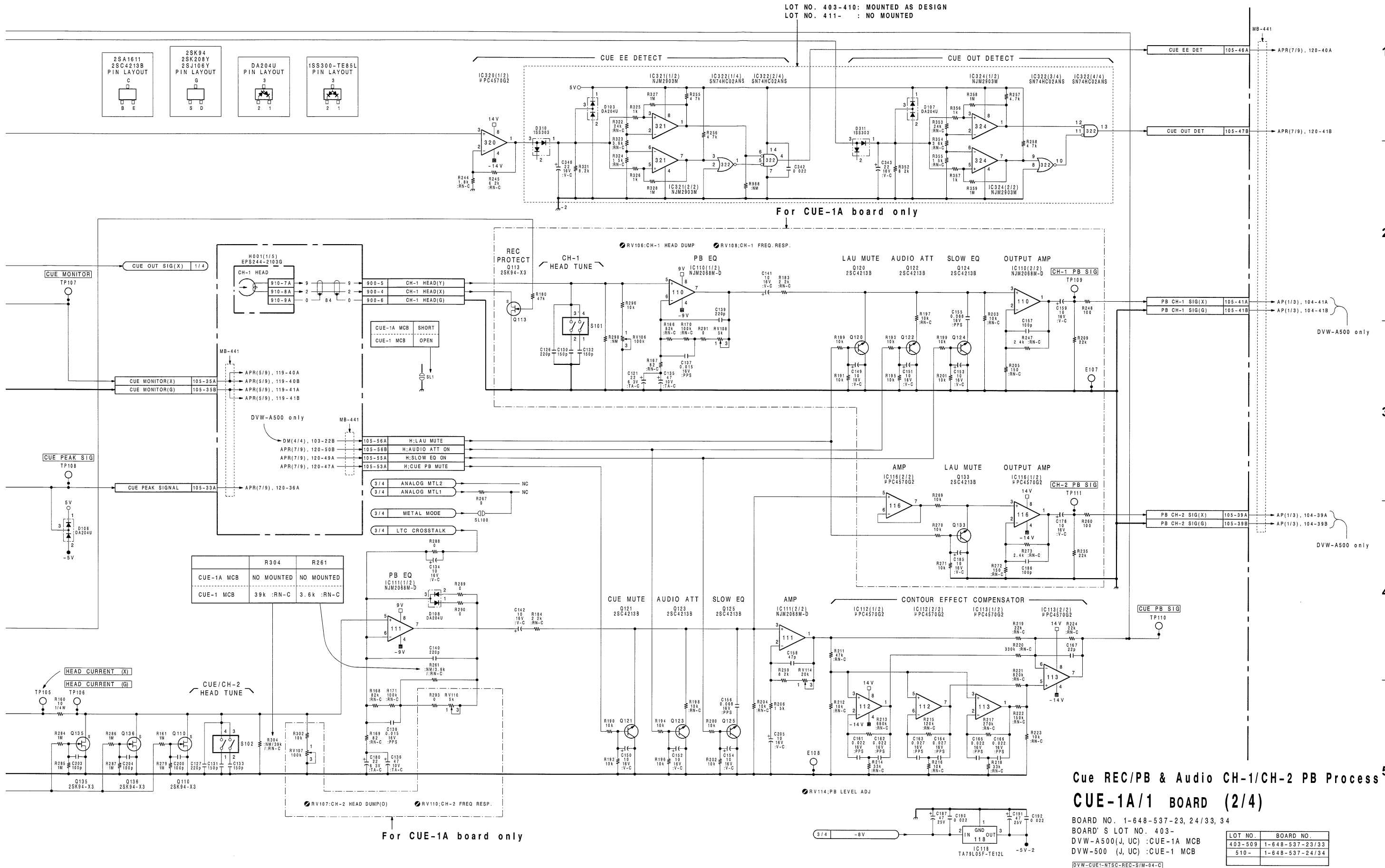


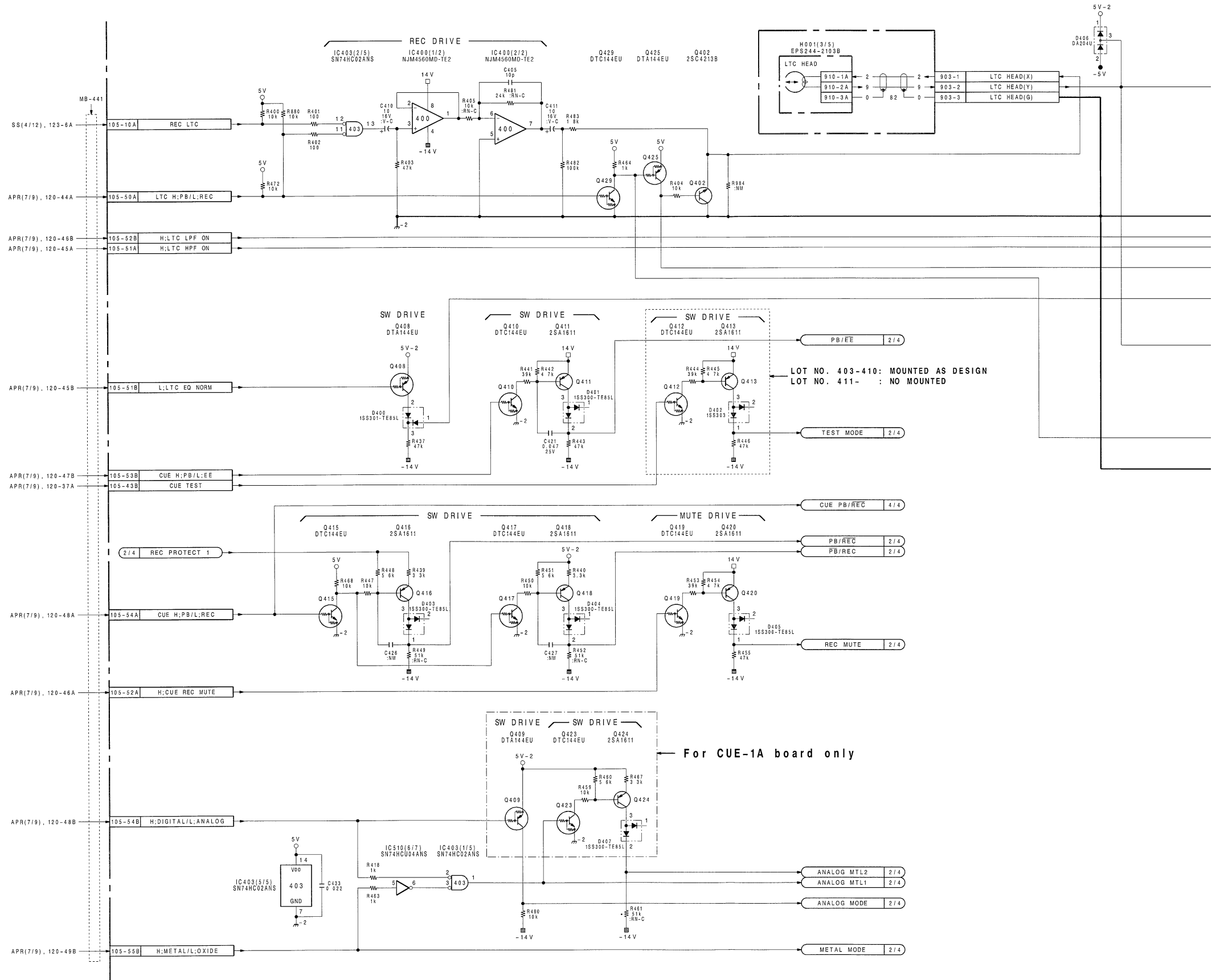


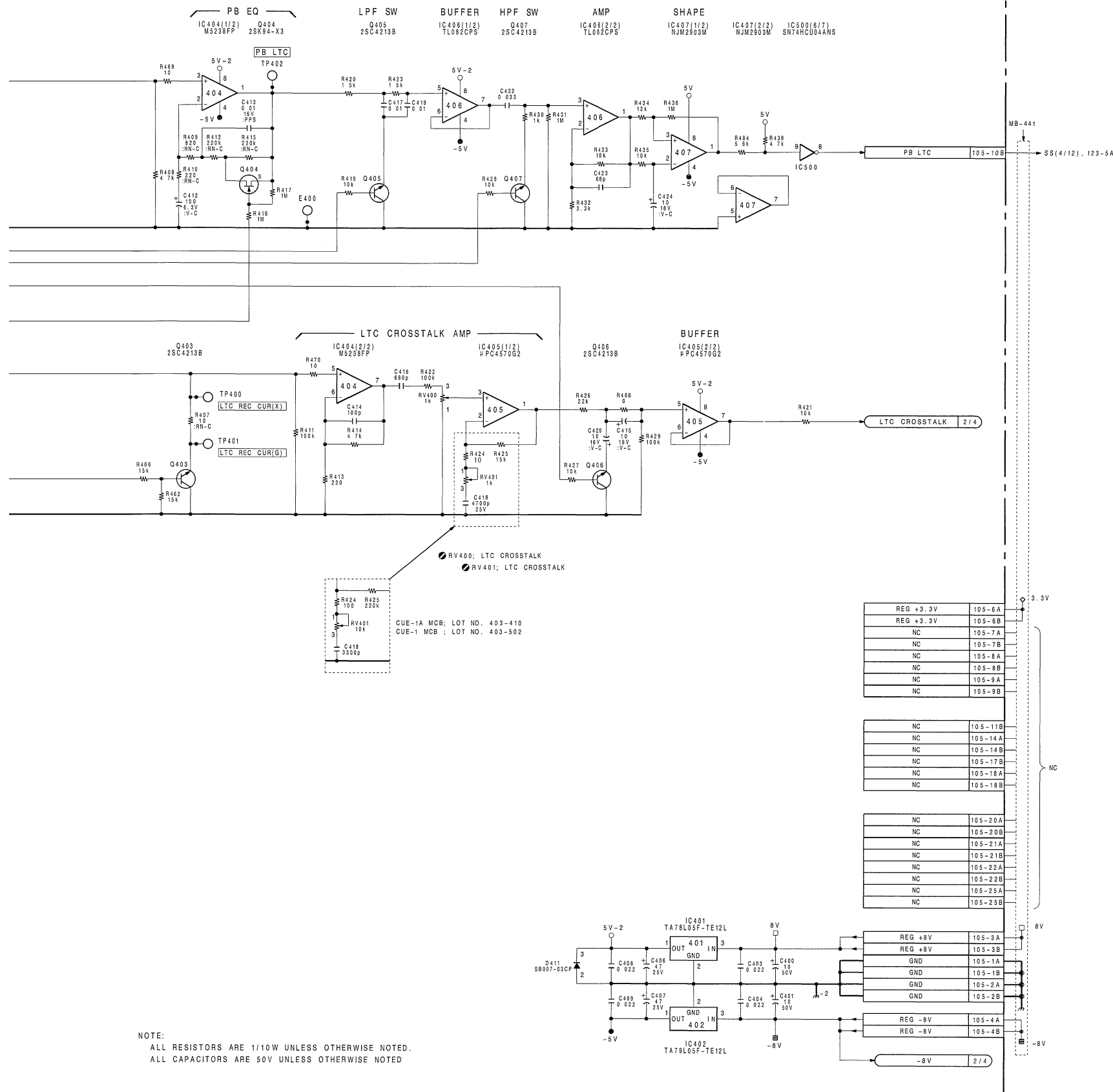




LOT NO. 403-410: MOUNTED AS DESIGN
LOT NO. 411- : NO MOUNTED



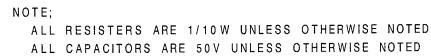


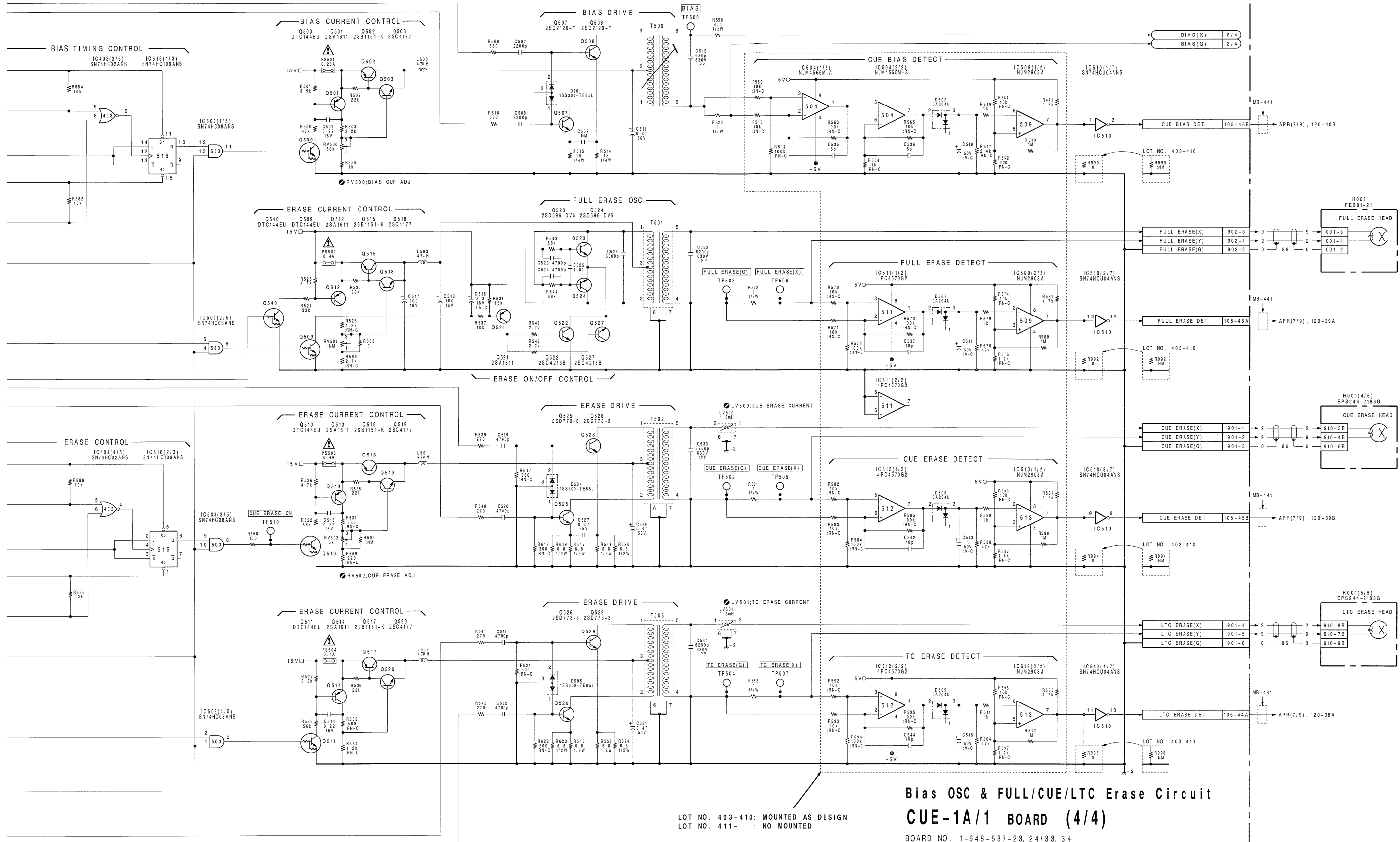


LTC REC/PB Process &
Control Circuit
CUE-1A/1 BOARD (3/4)

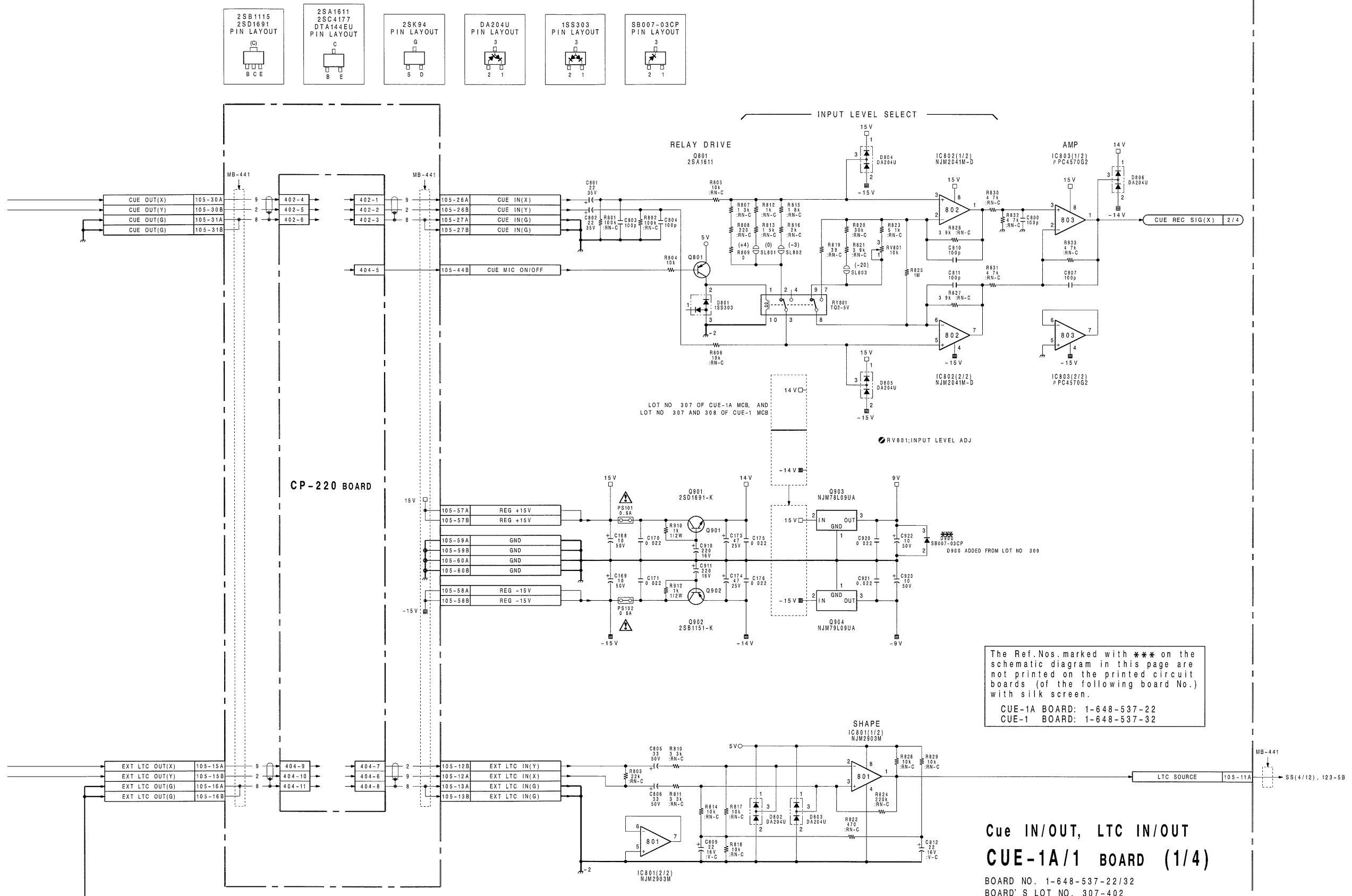
BOARD NO. 1-648-537-23, 24/33, 34
BOARD' S LOT NO. 403-
DVW-A500(J, UC) :CUE-1A MCB
DVW-500 (J, UC) :CUE-1 MCB

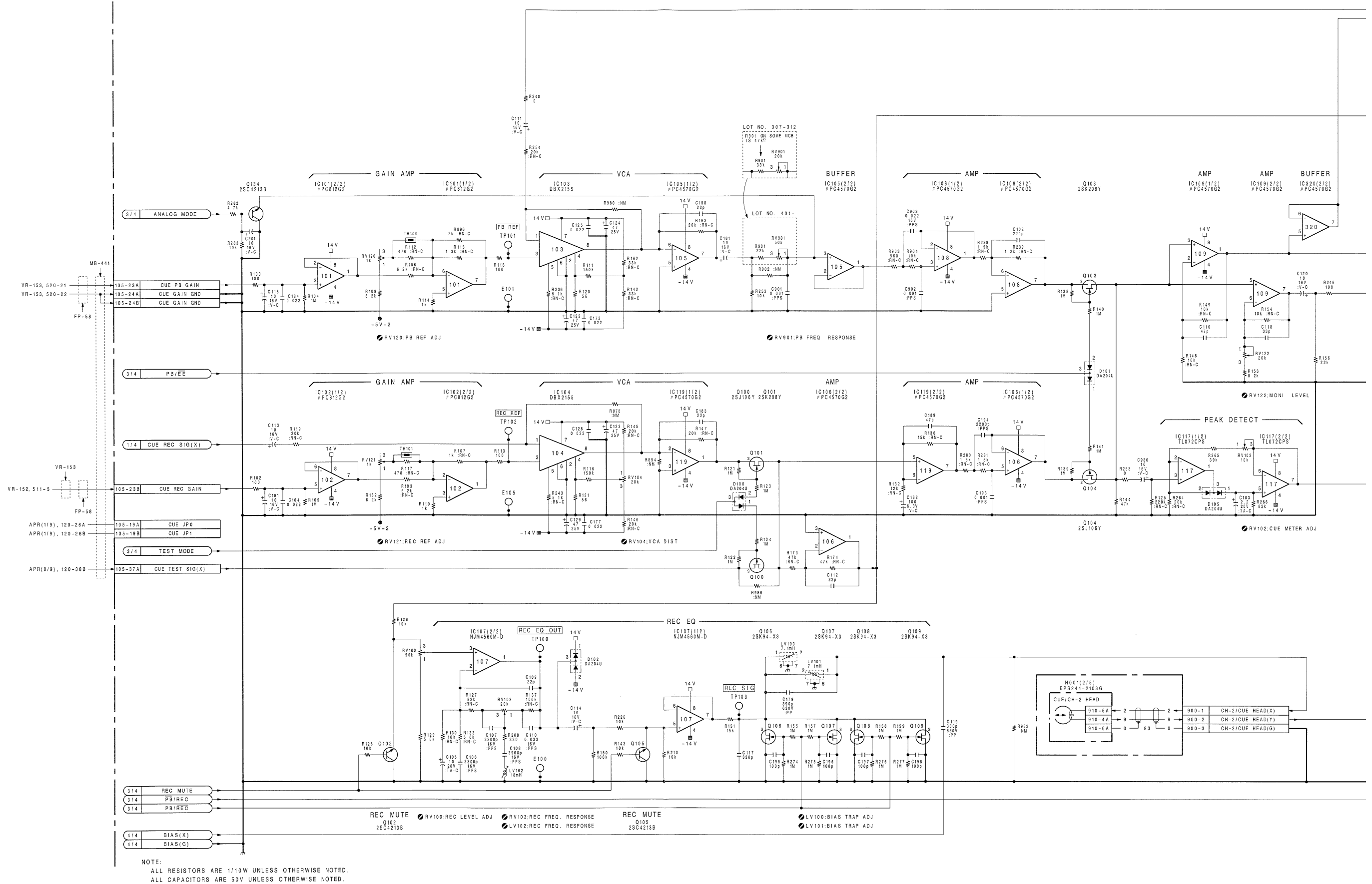
DVW-CUE1-NTSC-REC-S/M-04-C



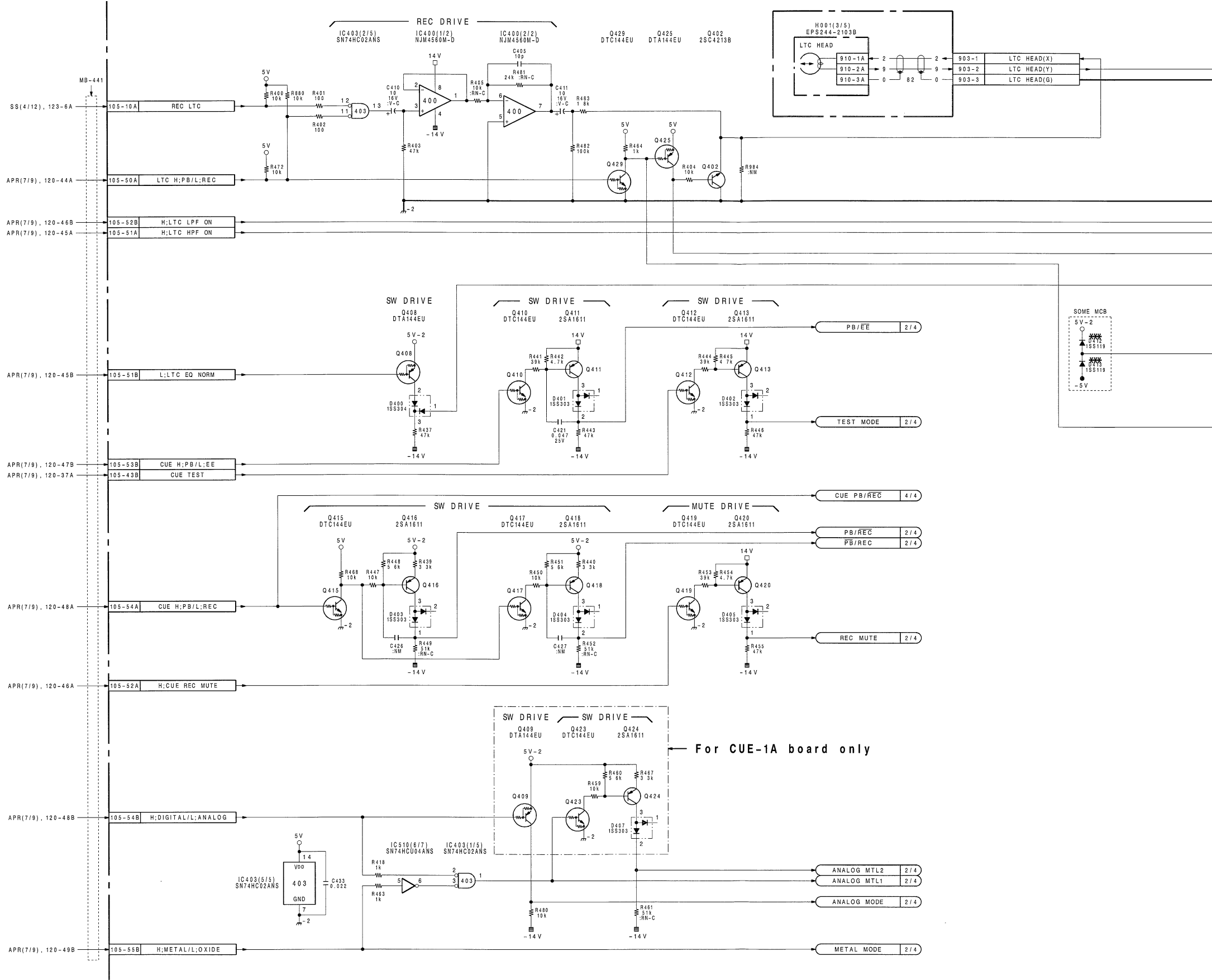


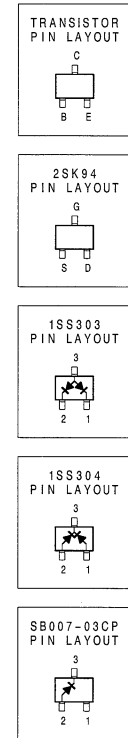
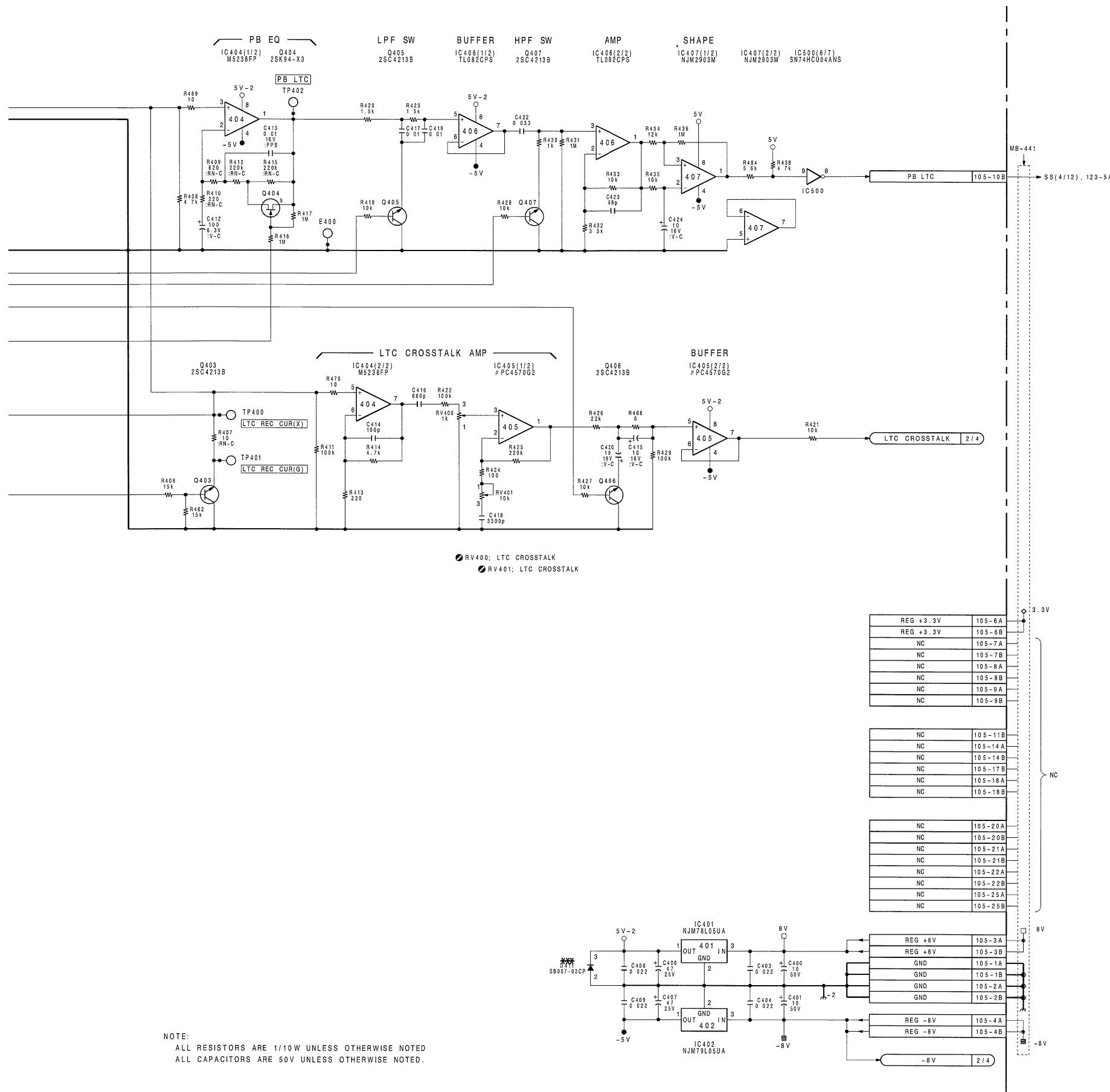












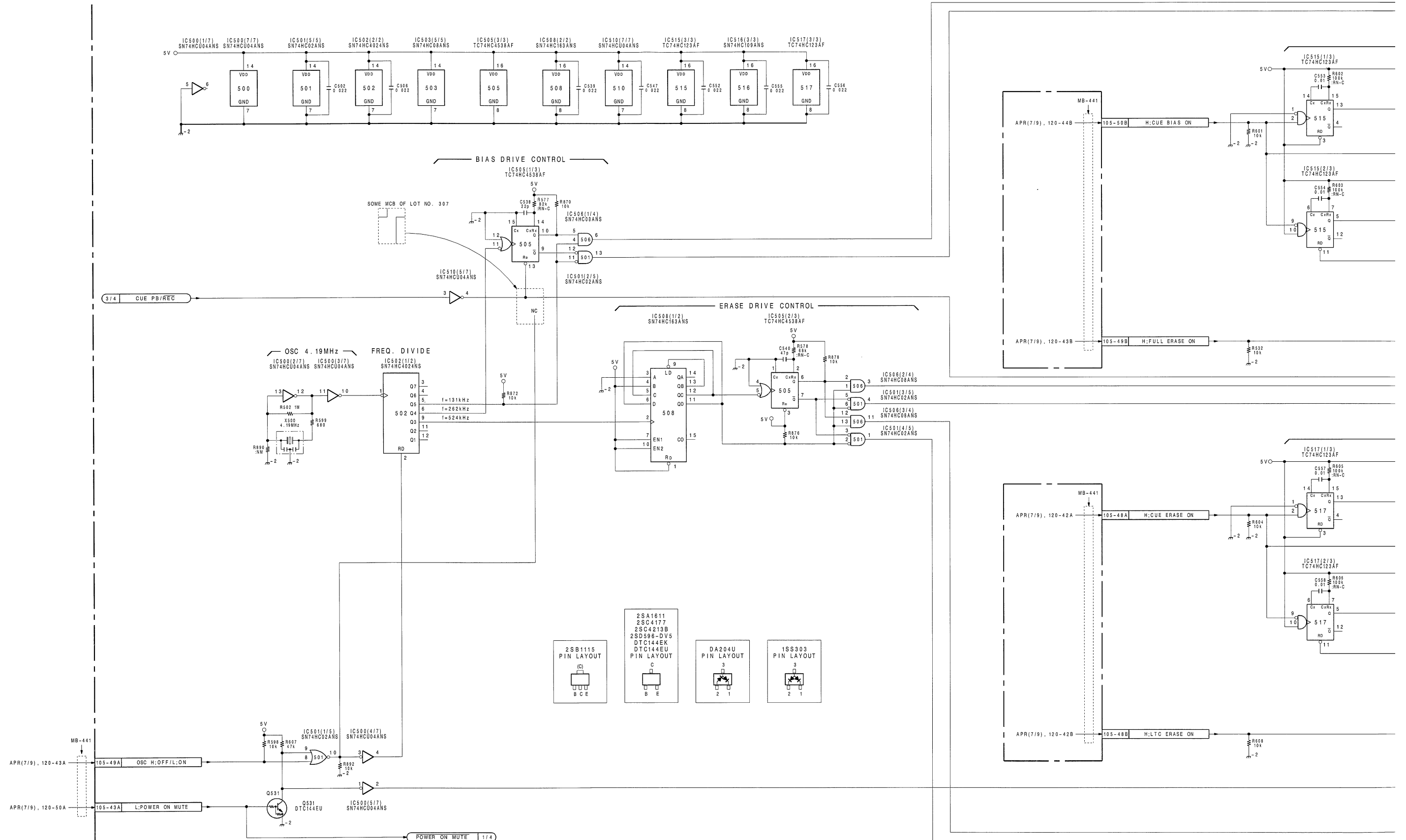
The Ref.Nos.marked with *** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.
CUE-1A BOARD: 1-648-537-22
CUE-1 BOARD: 1-648-537-32

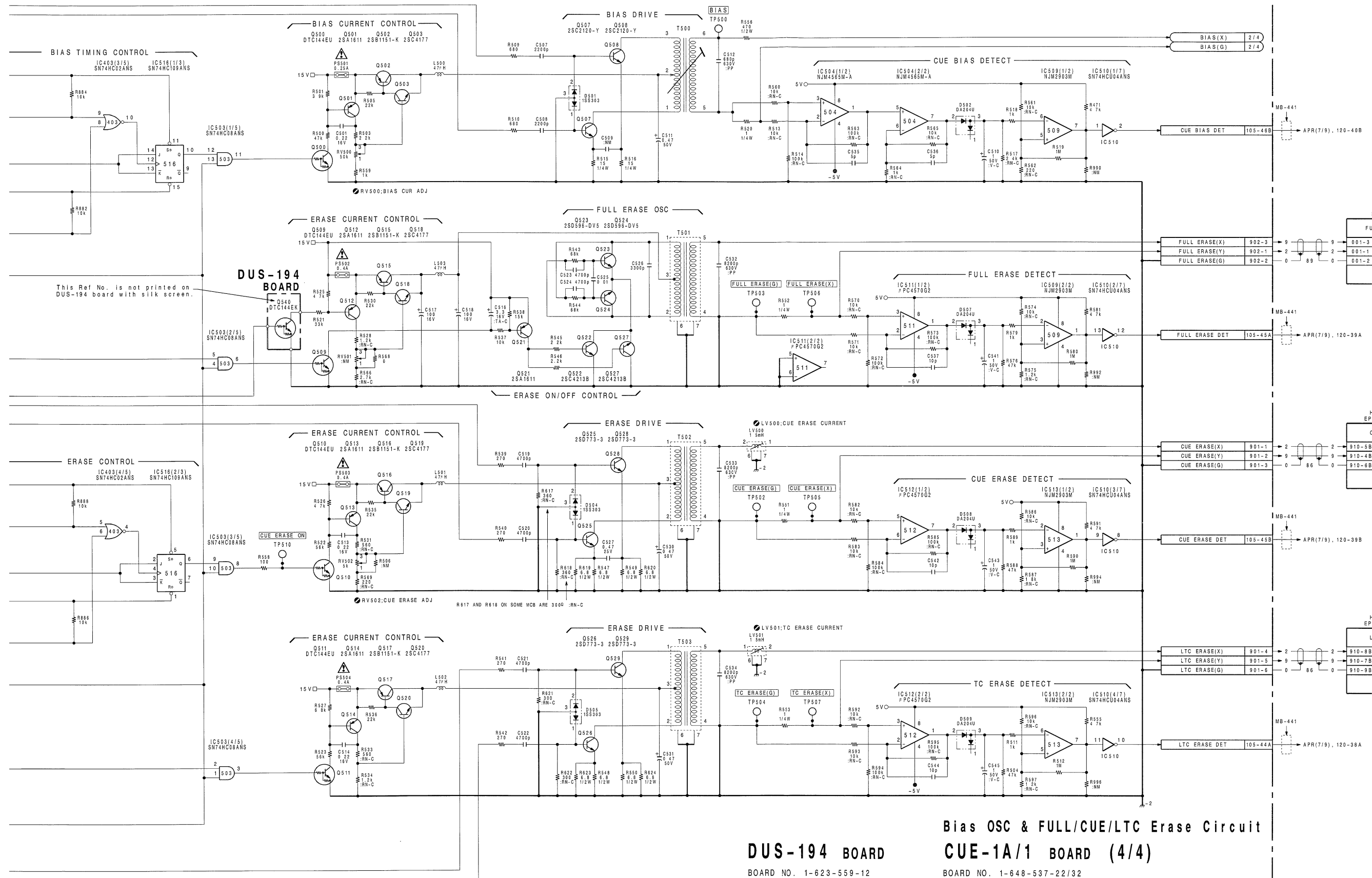
LTC REC/PB Process & Control Circuit CUE-1A/1 BOARD (3/4)

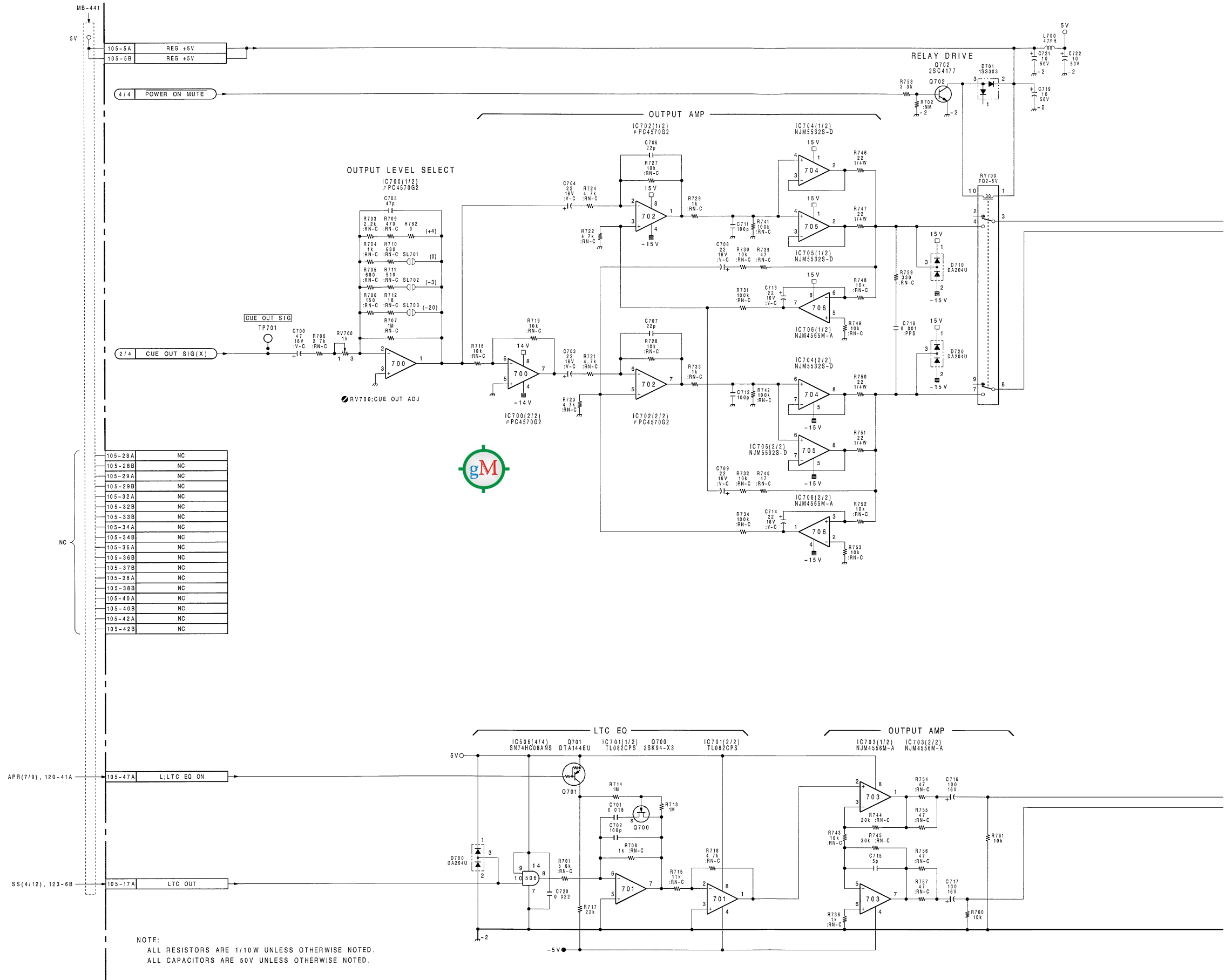
BOARD NO. 1-648-537-22/32
BOARD' S LOT NO. 307-402
DVW-A500(J, UC) :CUE-1A MCB
DVW-500 (J, UC) :CUE-1 MCB

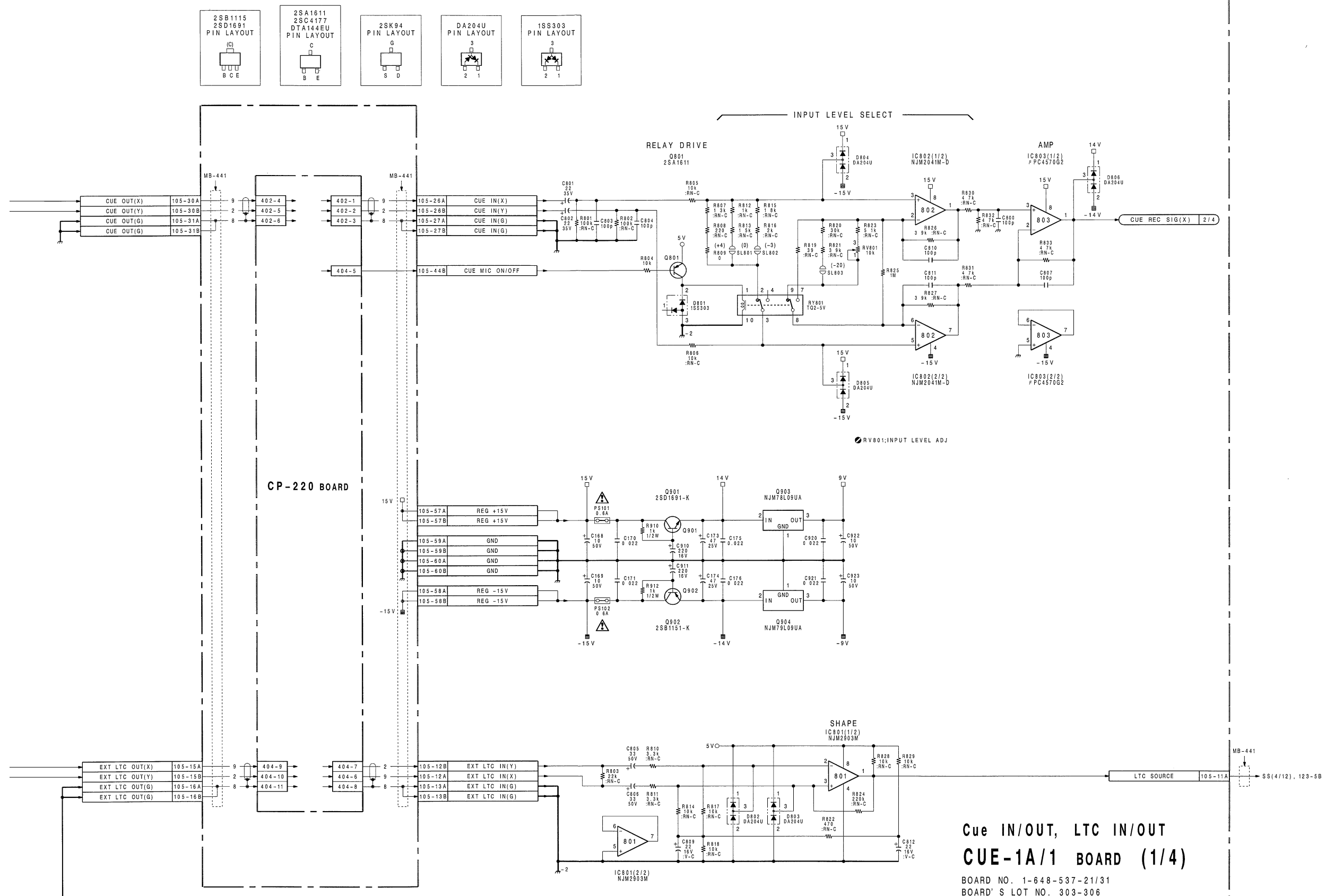
DVW-CUE1-NTSC-REC-S/M-03-B

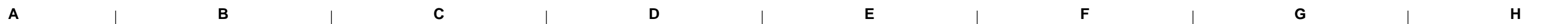
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

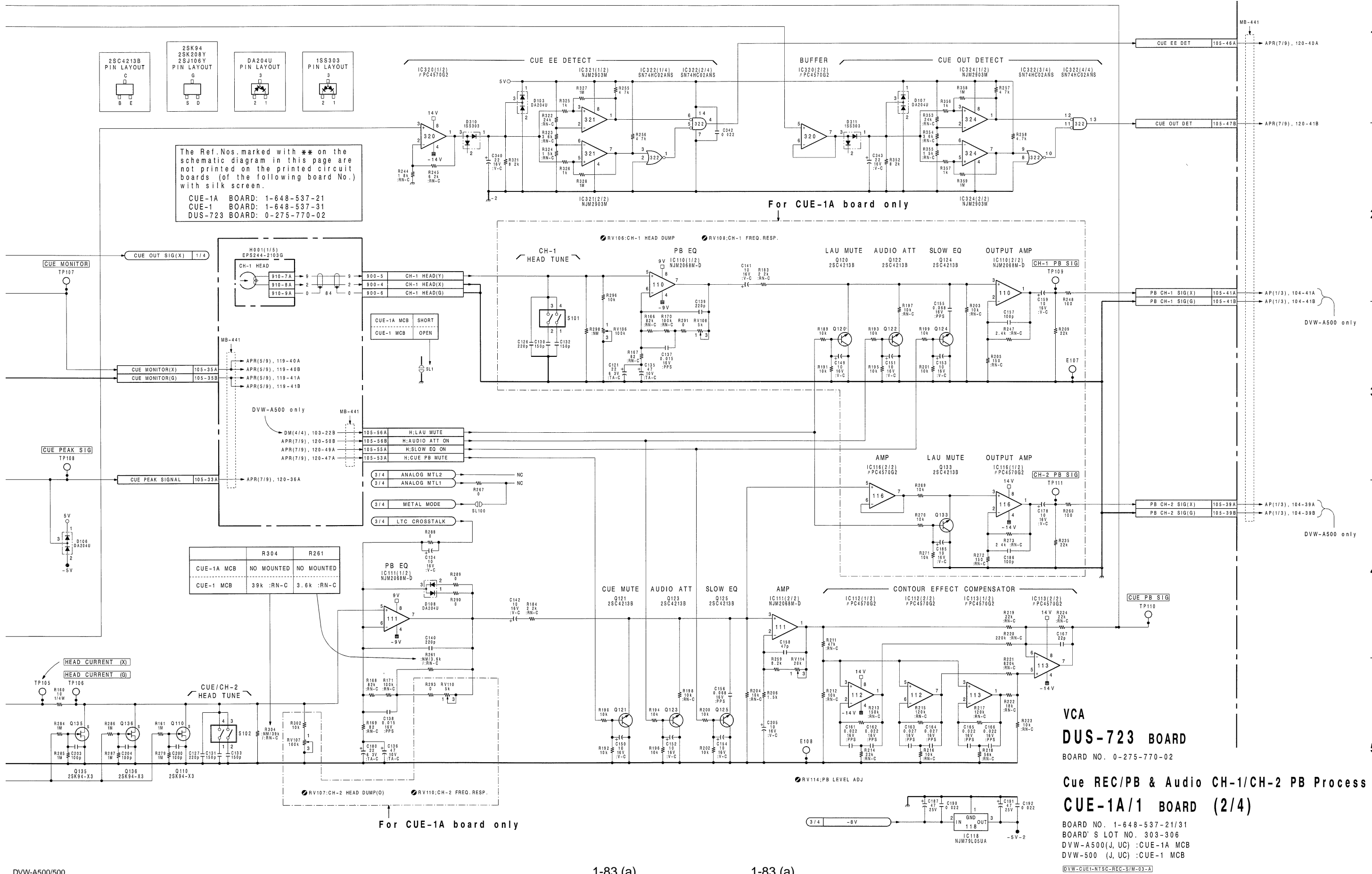


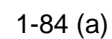


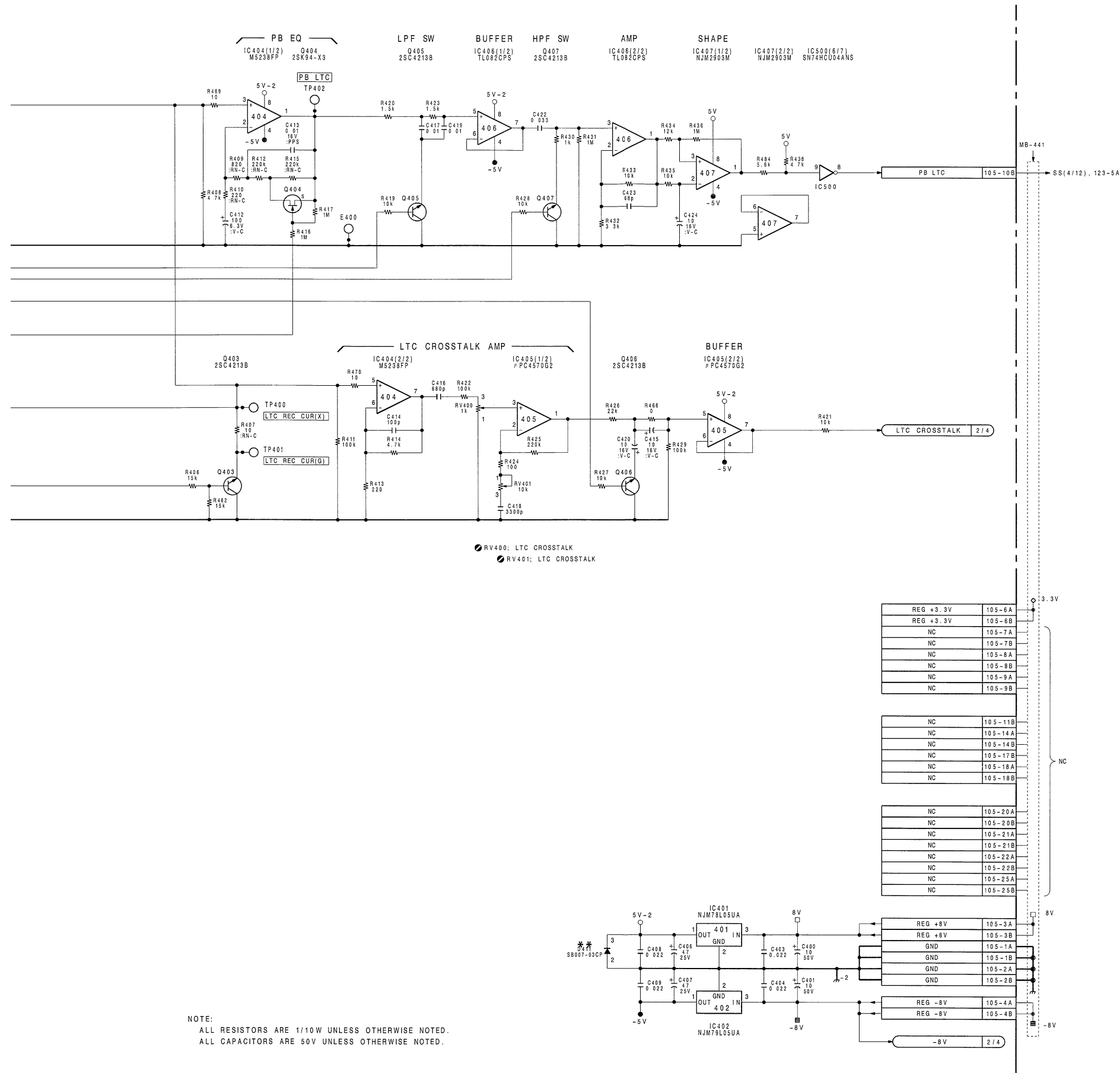




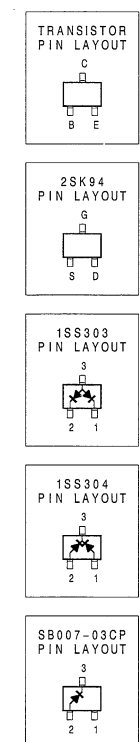








NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

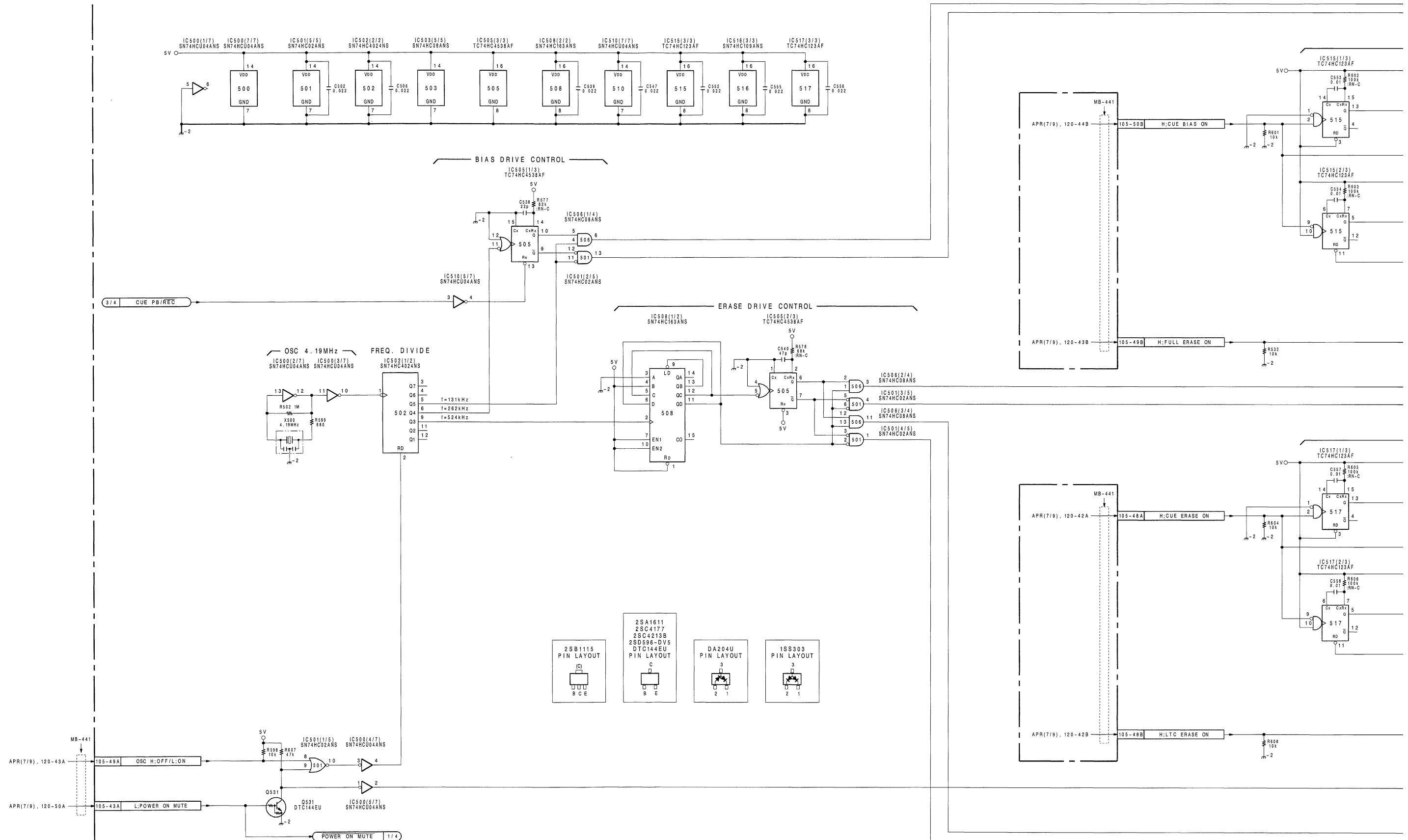


The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.
CUE-1A BOARD: 1-648-537-21
CUE-1 BOARD: 1-648-537-31

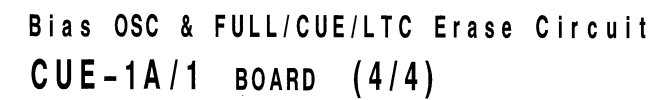
LTC REC/PB Process & Control Circuit CUE-1A/1 BOARD (3/4)

BOARD NO. 1-648-537-21/31
BOARD'S LOT NO. 303-306
DVW-A500(J, UC) :CUE-1A MCB
DVW-500 (J, UC) :CUE-1 MCB

DVW-CUE1-NTSC-REC-SJM-03-A

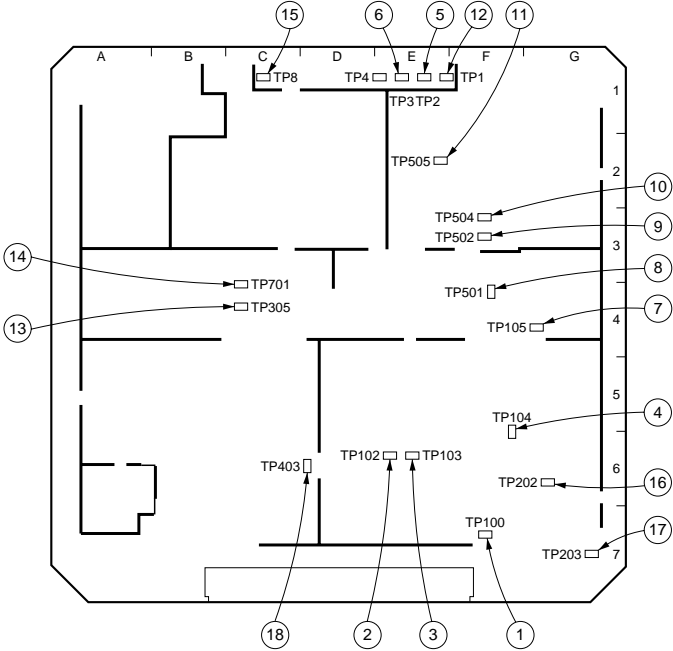


NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

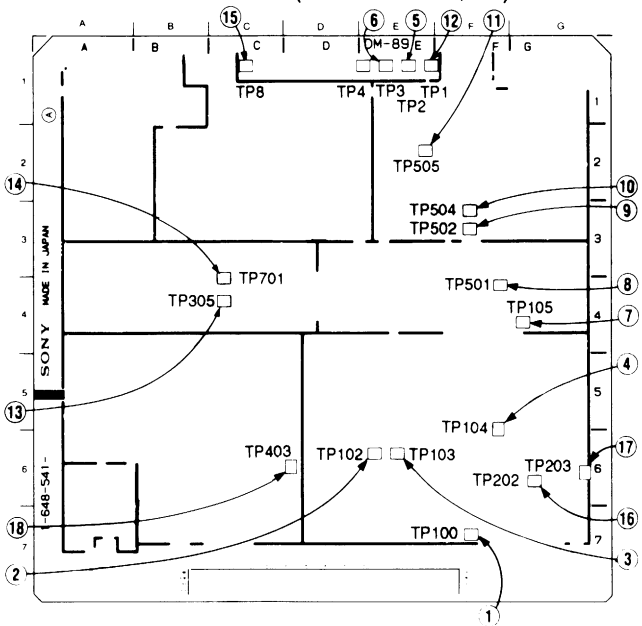


DVW-CUE10NTSC-REC-S/M-03-A

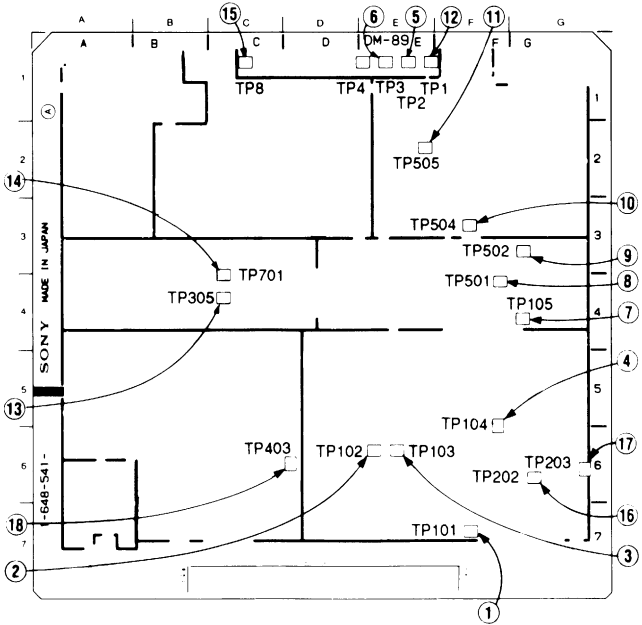
DM-89 Board -A Side- (1-648-541-15, 16, 17)

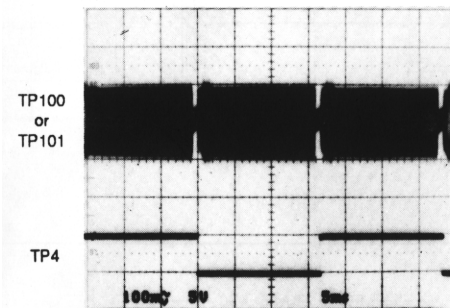
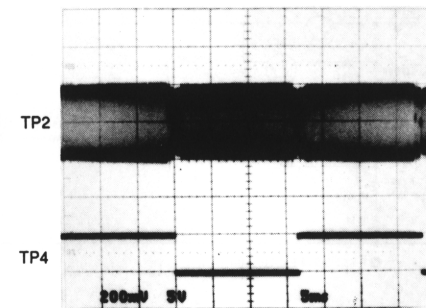
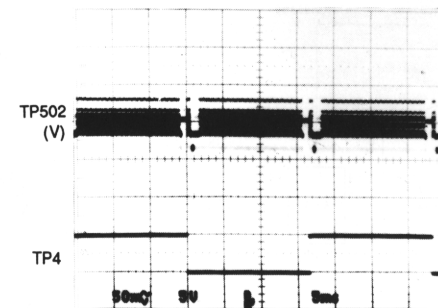


DM-89 Board -A Side- (1-648-541-13, 14)

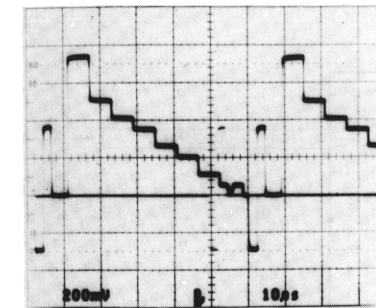
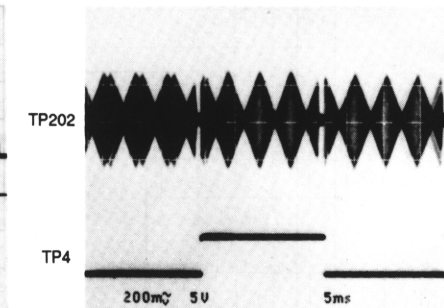
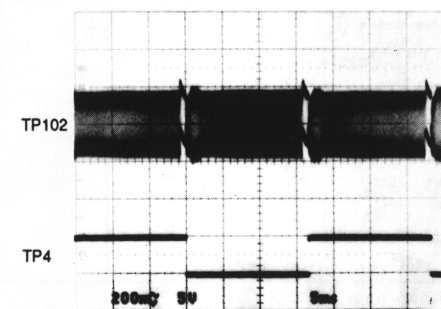
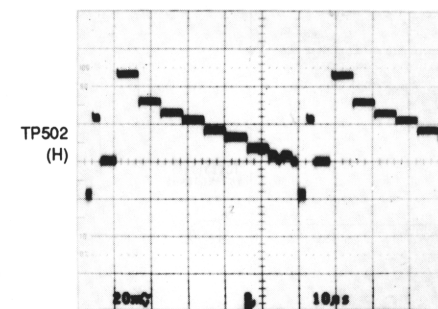
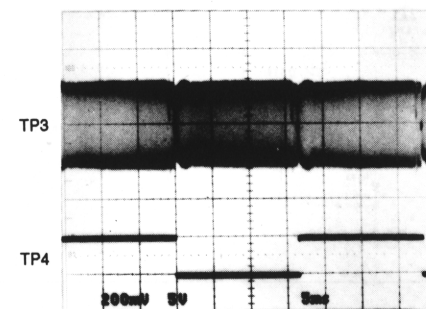
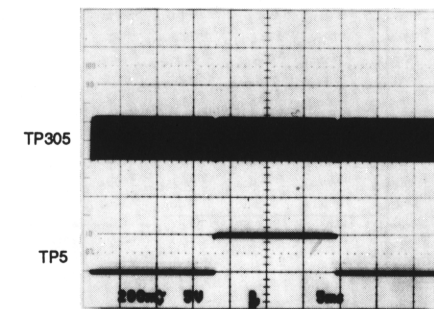
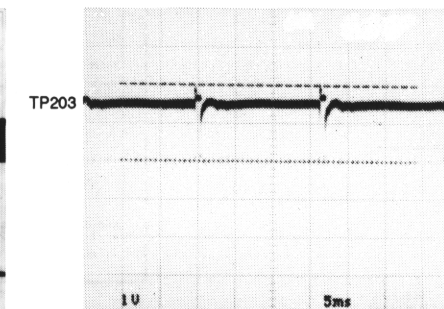
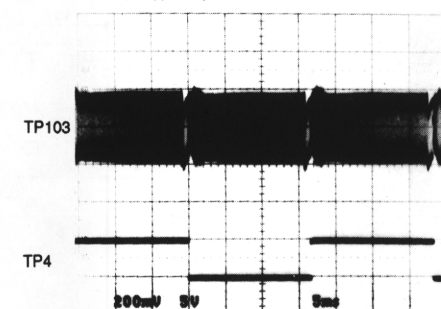
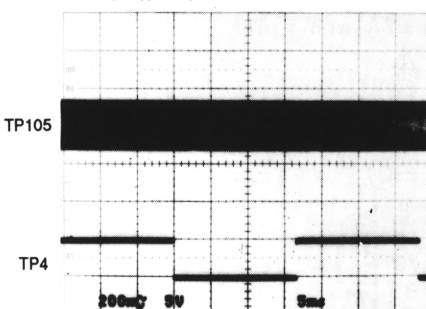


DM-89 Board -A Side- (1-648-541-11, 12)

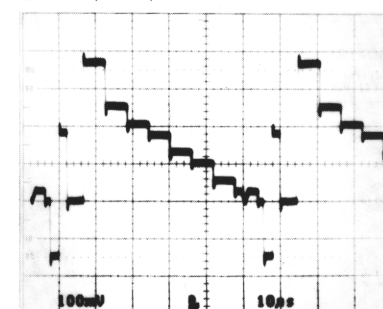
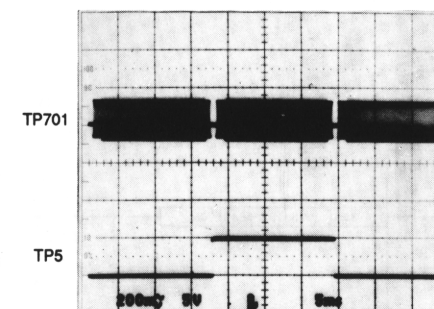
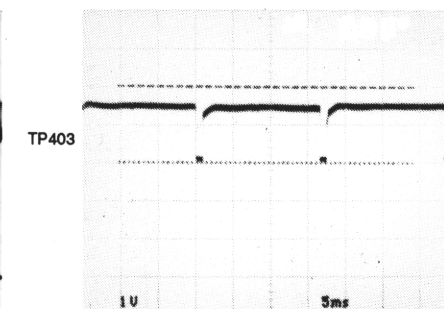
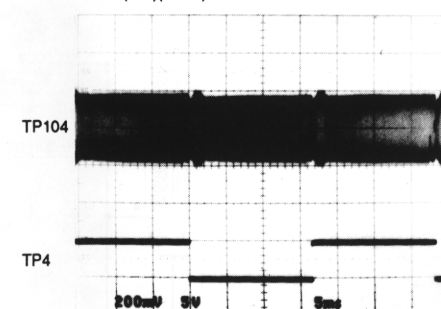
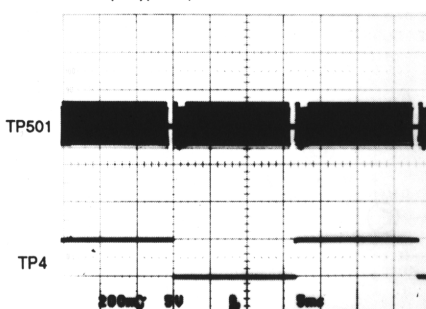


① TP100/101 (F-7) PB mode
TP4 (E-1) (TRIG)⑤ TP2(E-1) PB mode
TP4(E-1)(TRIG)⑨ TP502 (F-3/G-3) PB mode
TP4(E-1)(TRIG)

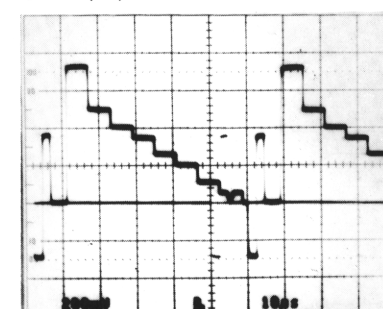
⑬ TP1(E-1) PB mode

⑮ TP202(G-6) ×-3 SPEED mode
TP4(E-1)(TRIG)② TP102(E-6) PB mode
TP4(E-1)(TRIG)⑥ TP3(E-1) PB mode
TP4(E-1)(TRIG)⑭ TP305(C-4) PB mode
TP5(D-1)(TRIG)⑰ TP203(G-6) PB mode
TP4(E-1)(TRIG)③ TP103(E-6) PB mode
TP4(E-1)(TRIG)⑦ TP105(G-4) PB mode
TP4(E-1)(TRIG)

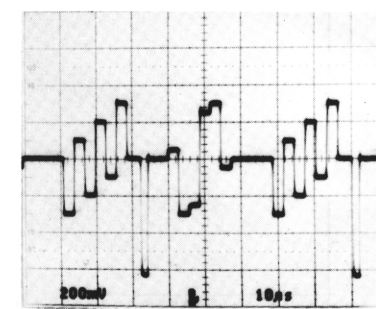
⑩ TP504 (F-2/F-3) PB mode

⑫ TP701(C-4) PB mode
TP5(D-1)(TRIG)⑱ TP403(D-6) PB mode
TP4(E-1)(TRIG)④ TP104(F-5) PB mode
TP4(E-1)(TRIG)⑧ TP501(F-4) PB mode
TP4(E-1)(TRIG)

⑪ TP505(E-2) PB mode



⑯ TP8(C-1) PB mode



Measurement condition
MODE : PB mode
 : ×-3 SPEED mode
TAPE : CR5-1B

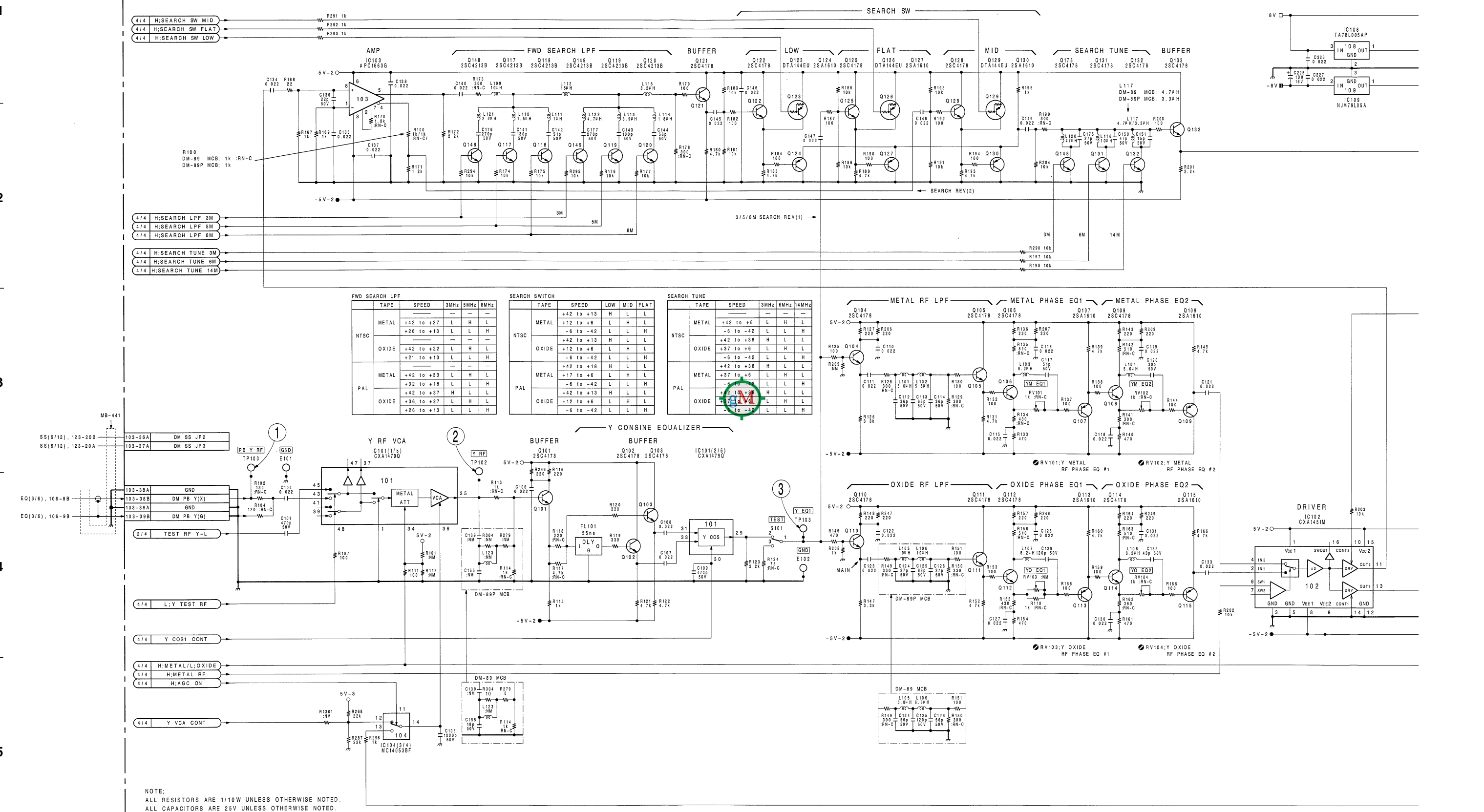
1

2

3

4

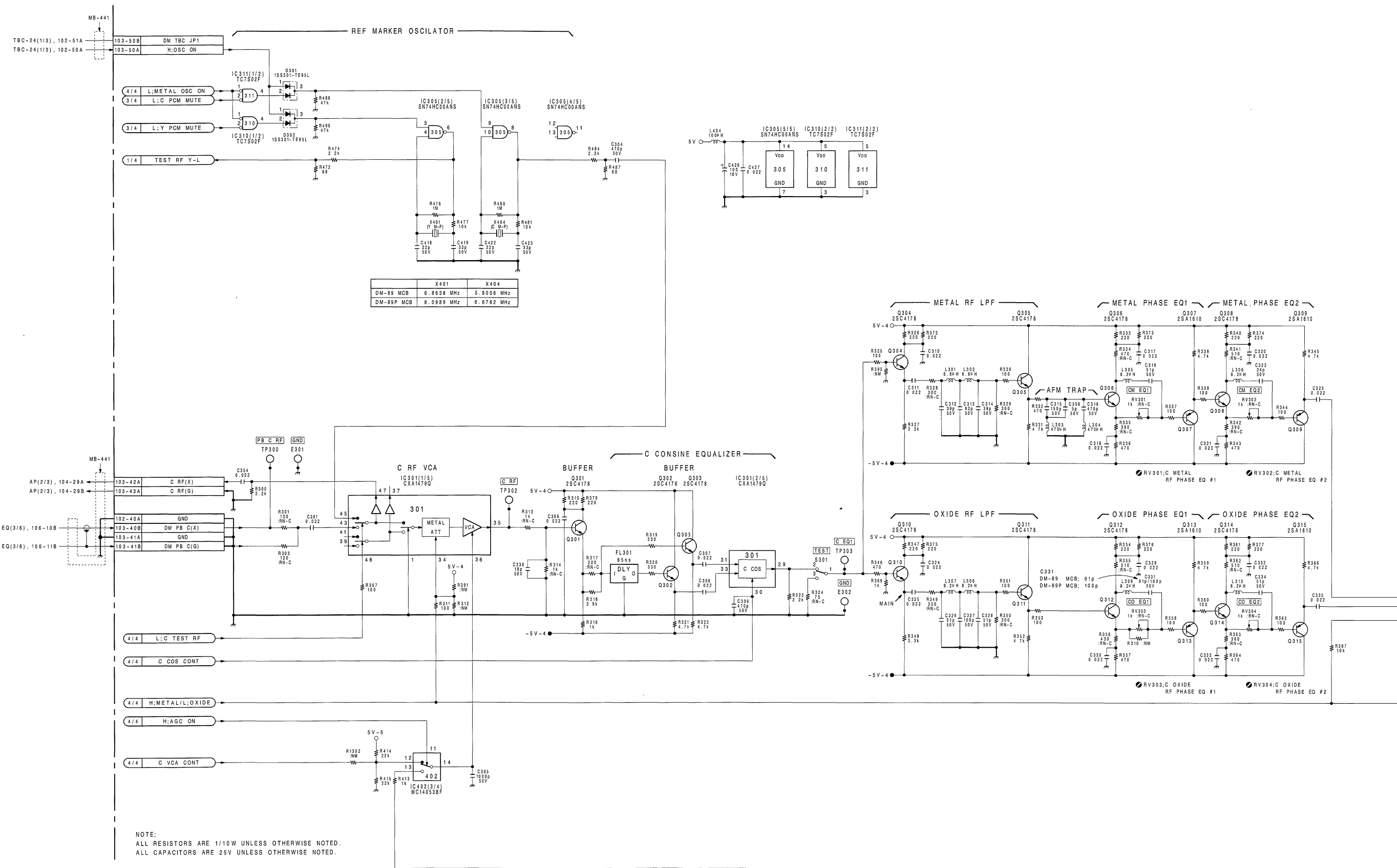
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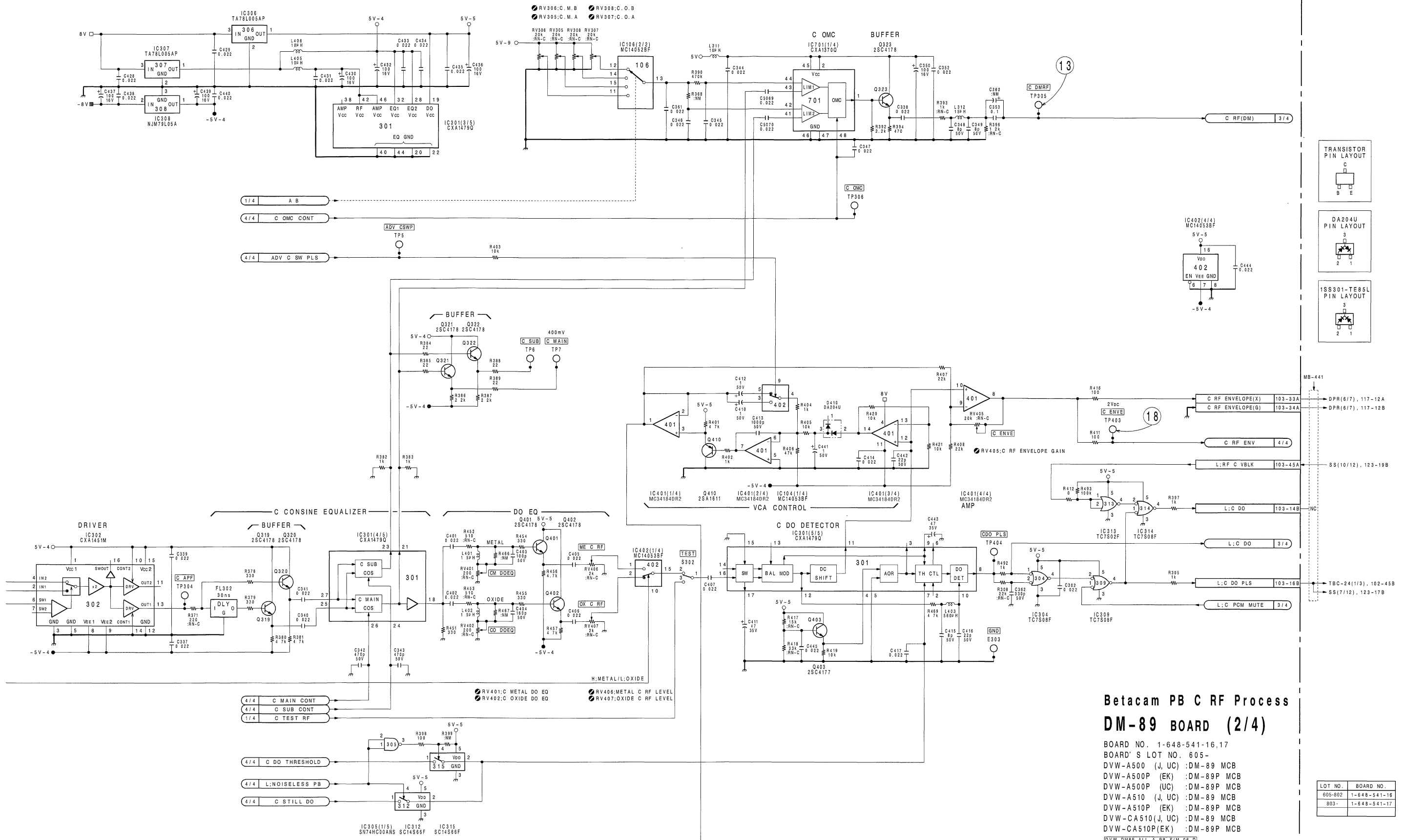


NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



LOT NO.	BOARD NO.
605-802	1-648-541-16
803-	1-648-541-17





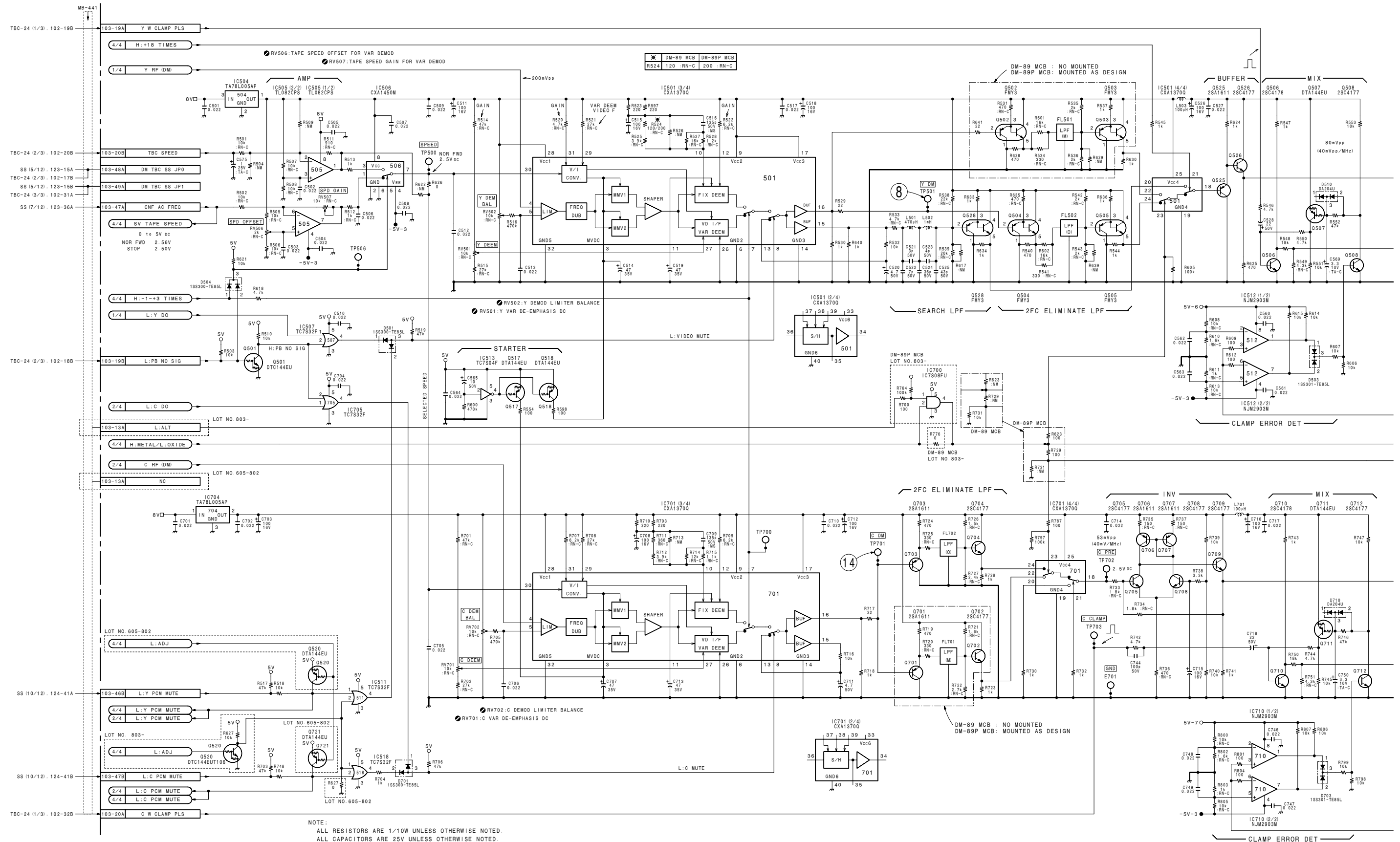
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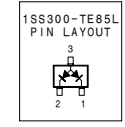
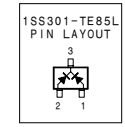
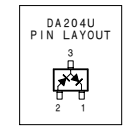
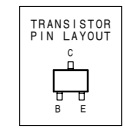
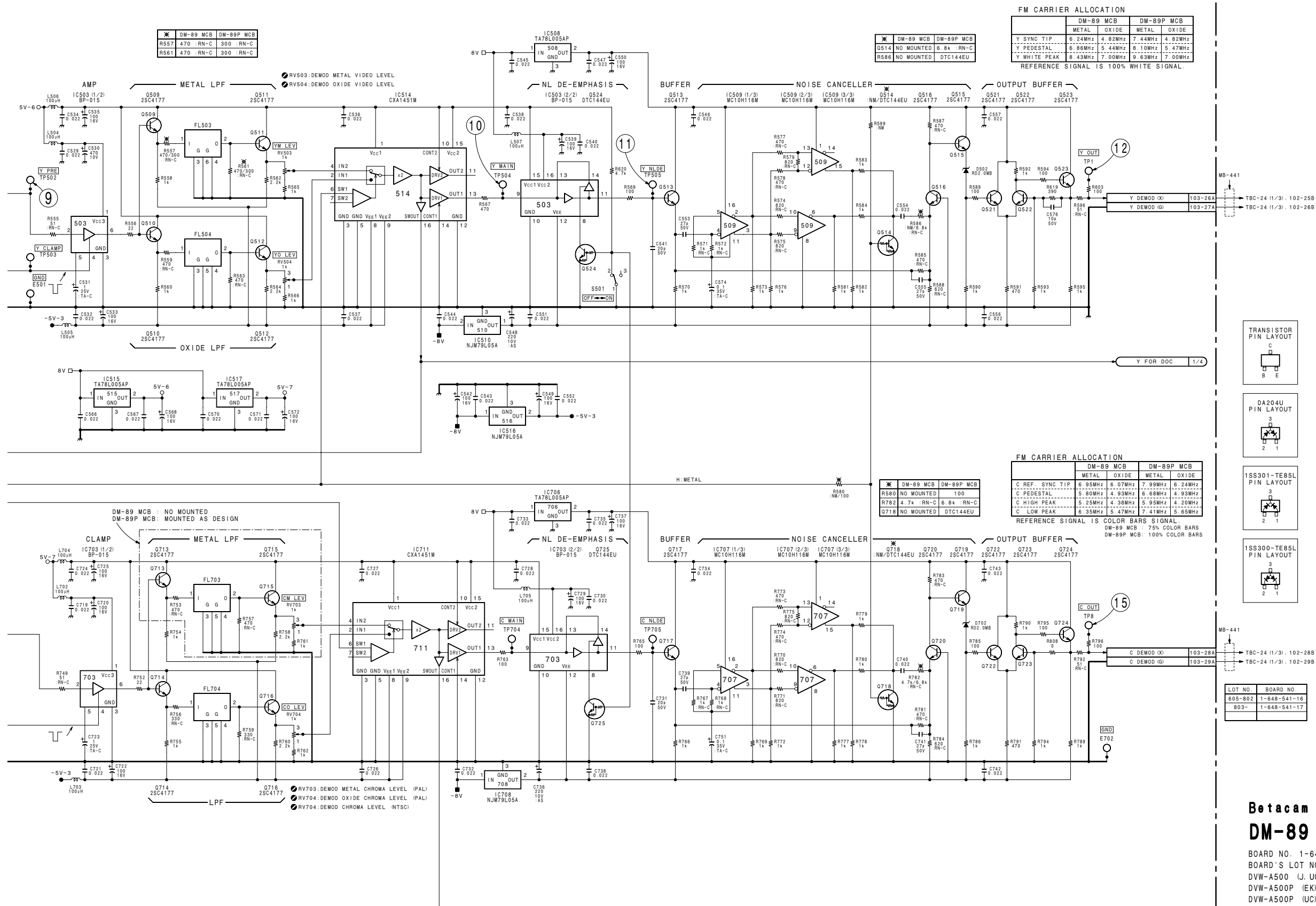
2

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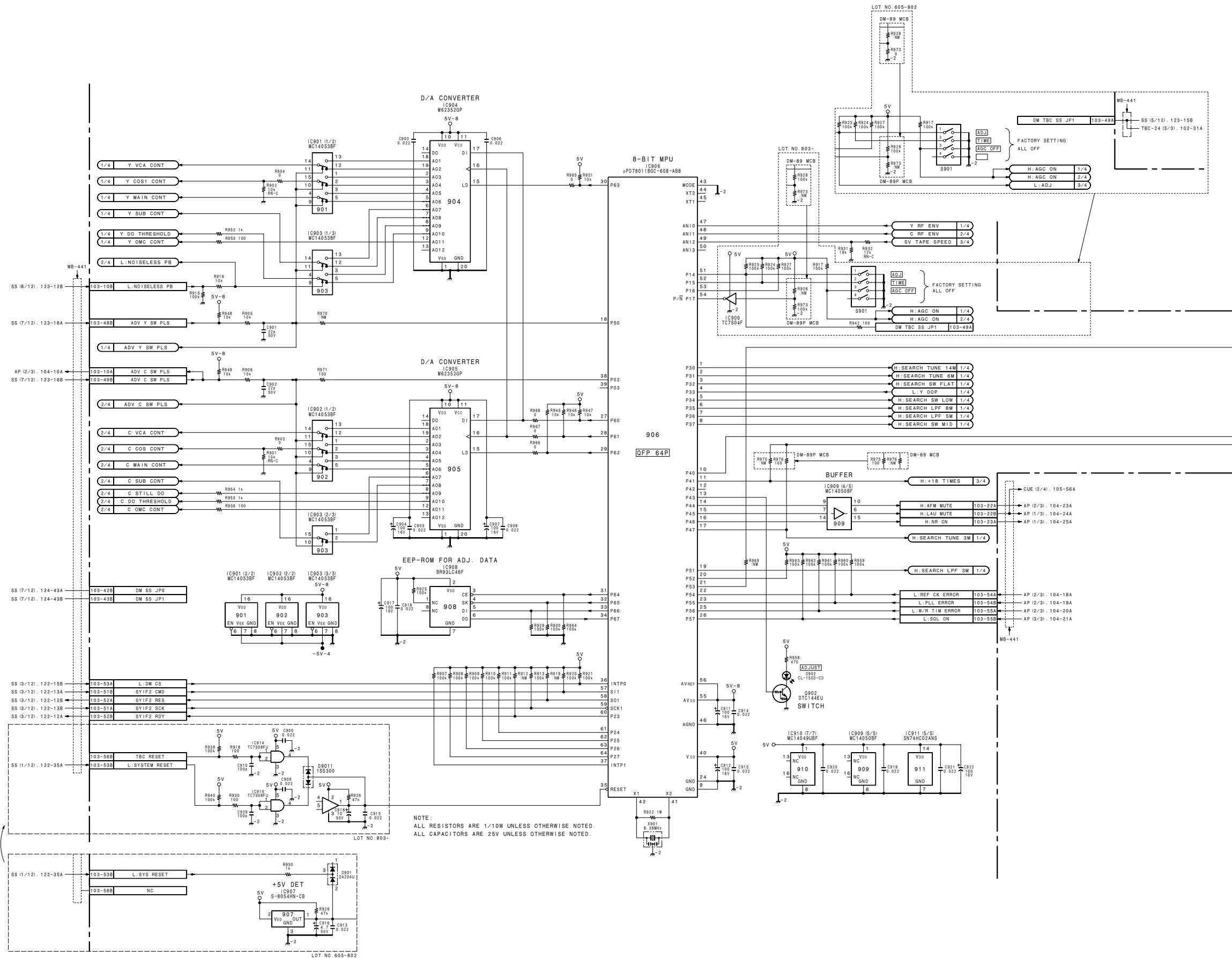


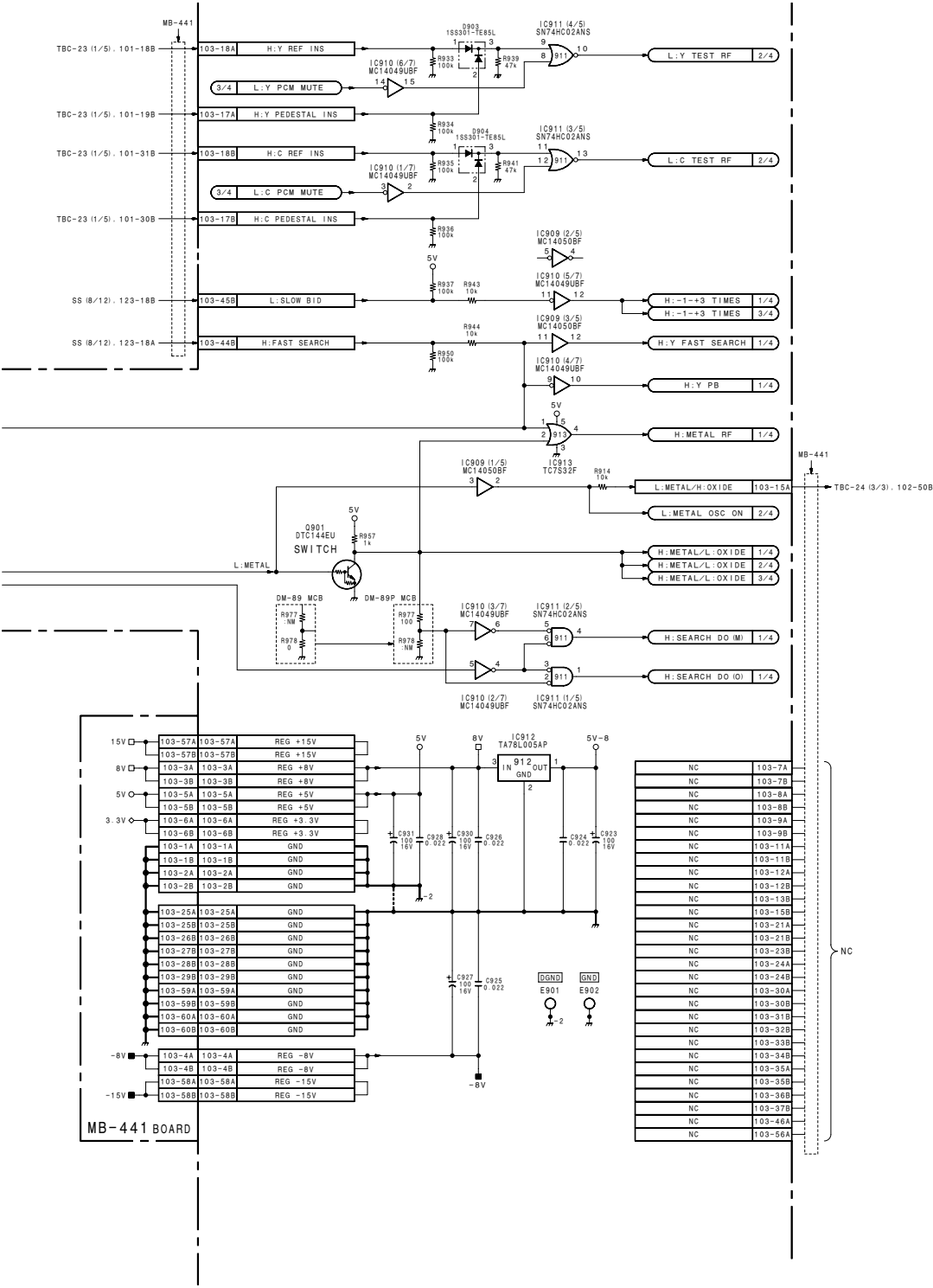


LOT NO.	BOARD NO.
605-802	1-648-541-16
803-	1-648-541-17

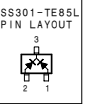
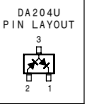
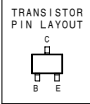
Betacam PB Y/C Demod Process DM-89 BOARD (3/4)

BOARD NO. 1-648-541-16. 17
BOARD'S LOT NO. 605-
DVW-A500 (J, UC) : DM-89 MCB
DVW-A500P (EK) : DM-89P MCB
DVW-A500P (UC) : DM-89P MCB
DVW-A510 (J, UC) : DM-89 MCB
DVW-A510P (EK) : DM-89P MCB
DVW-CA510 (J, UC) : DM-89 MCB
DVW-CA510P (EK) : DM-89P MCB
[DVW-DM89-ALL-A-PB-S/M-06-D]



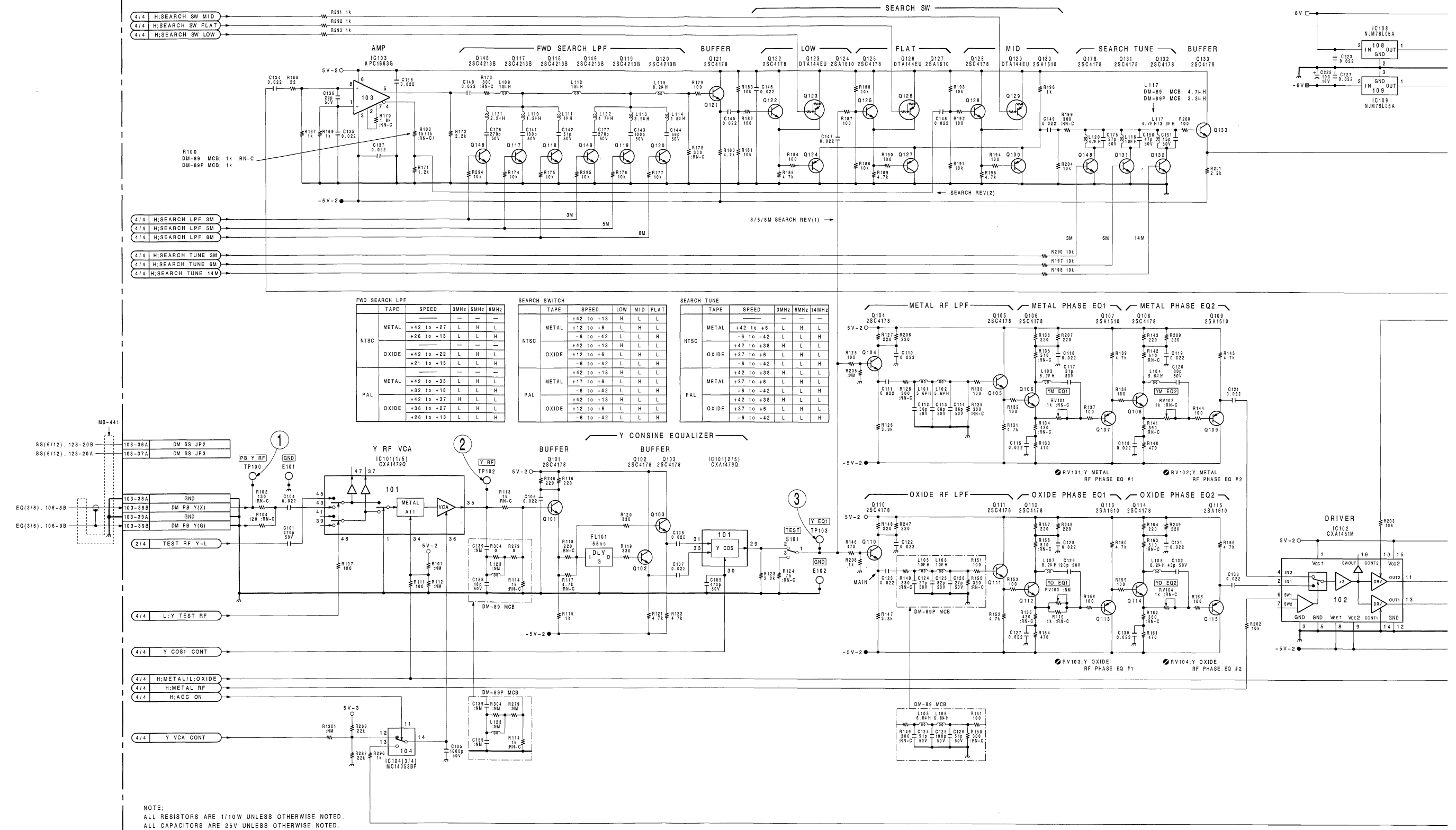


LOT NO.	BOARD NO.
605-802	1-648-541-16
809-	1-648-541-17



Betacam PB Control
DM-89 BOARD (4/4)

BOARD NO. 1-648-541-16, 17
BOARD'S LOT NO. 605-
DVW-A500 (J, UC) : DM-89 MCB
DVW-A500P (EK) : DM-89P MCB
DVW-A500P (UC) : DM-89P MCB
DVW-A510 (J, UC) : DM-89 MCB
DVW-A510P (EK) : DM-89P MCB
DVW-CA510 (J, UC) : DM-89 MCB
DVW-CA510P (EK) : DM-89P MCB
DVW-DM89-ALL-A-PB-S/M-06-D





BOARD NO. 1-648-541-14, 15
BOARD'S LOT NO. 503-603
DVW-A500 (J, UC) :DM-89 MCB
DVW-A500P (EK) :DM-89P MCB
DVW-A500P (UC) :DM-89P MCB
DVW-A510 (J, UC) :DM-89 MCB
DVW-A510P (EK) :DM-89P MCB
DVW-CA510 (J, UC) :DM-89 MCB
DVW-CA510P(EK) :DM-89P MCB

LOT NO.	BOARD NO.
503-508	1-648-541-14
509-603	1-648-541-15

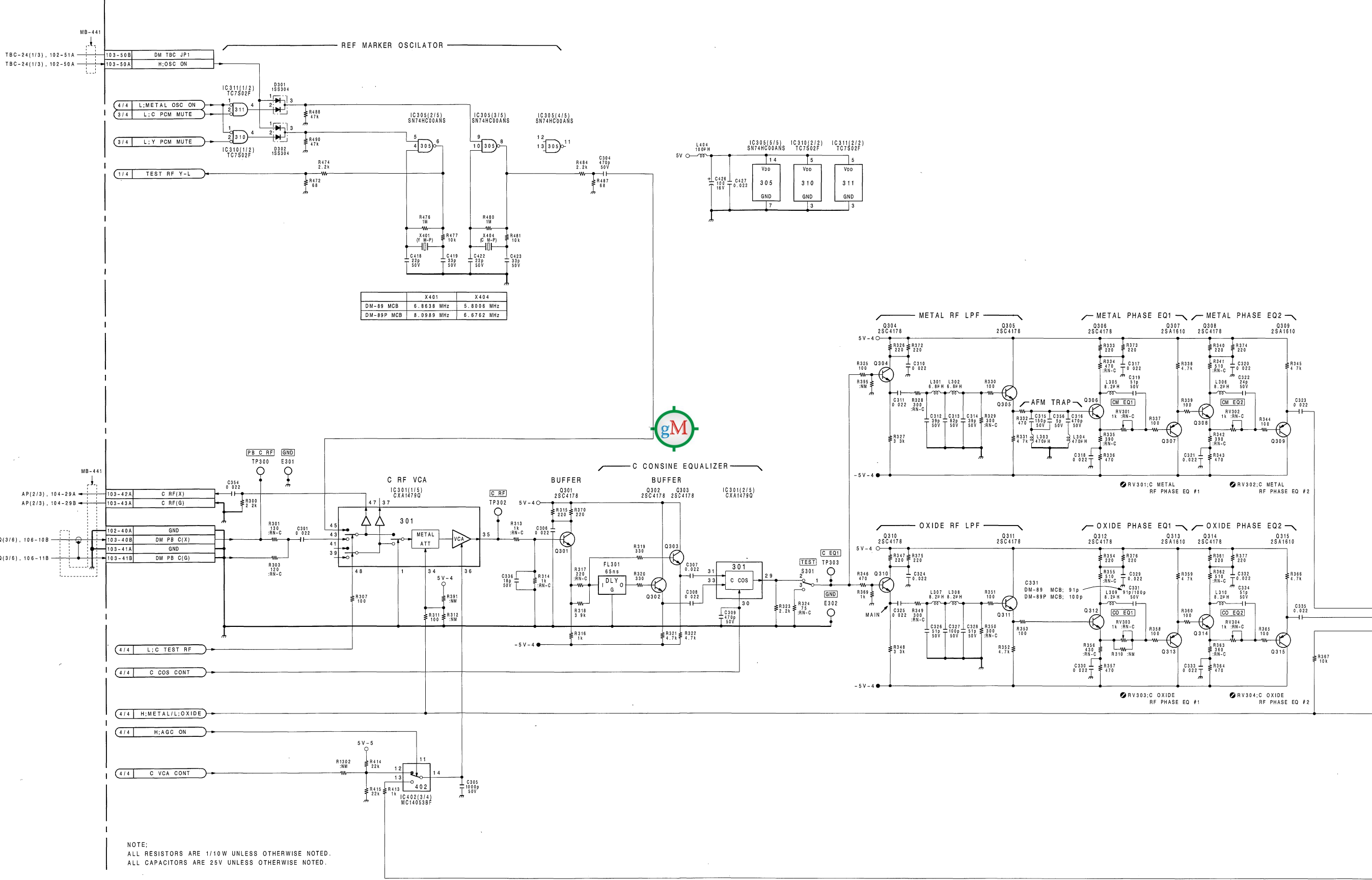
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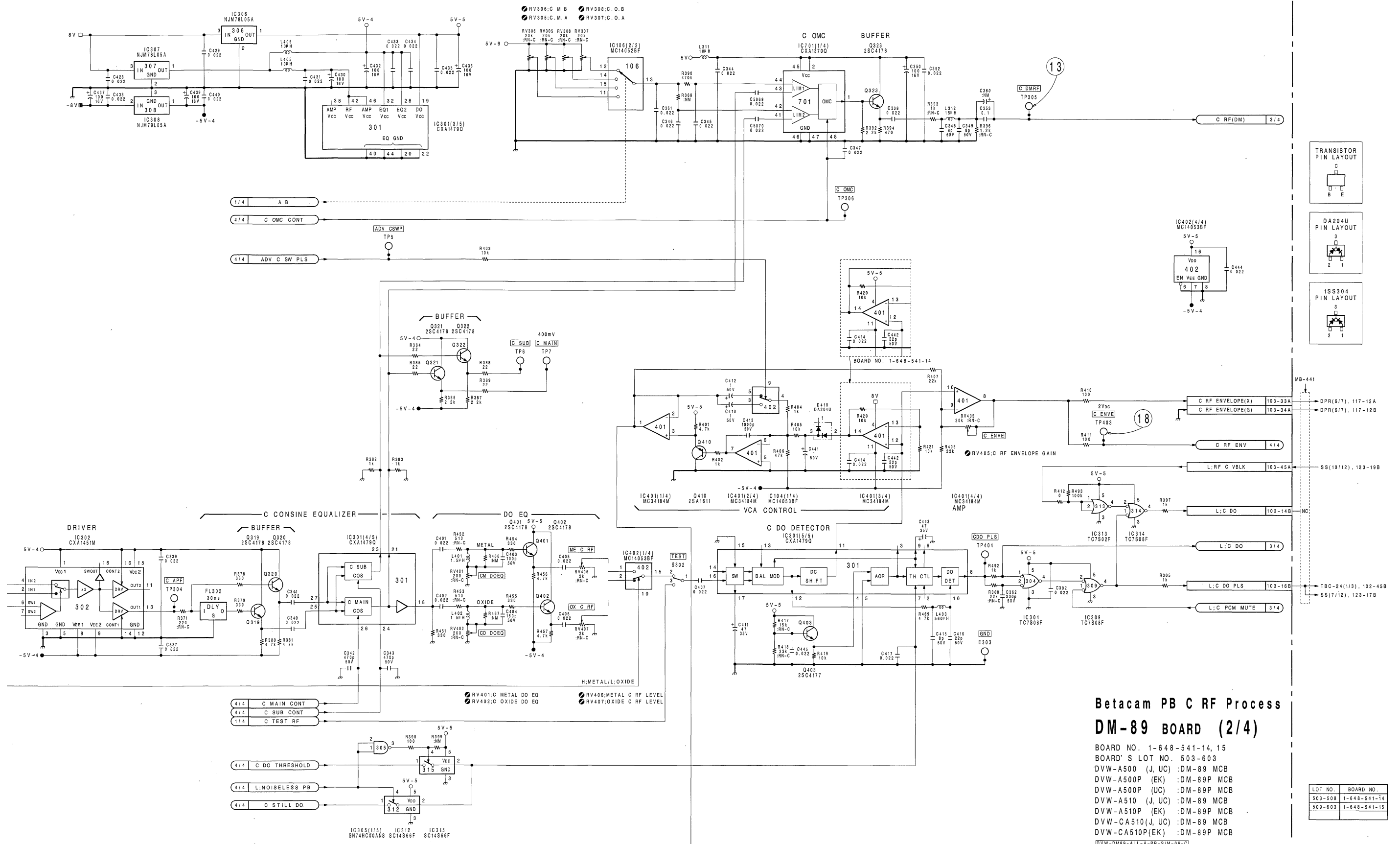
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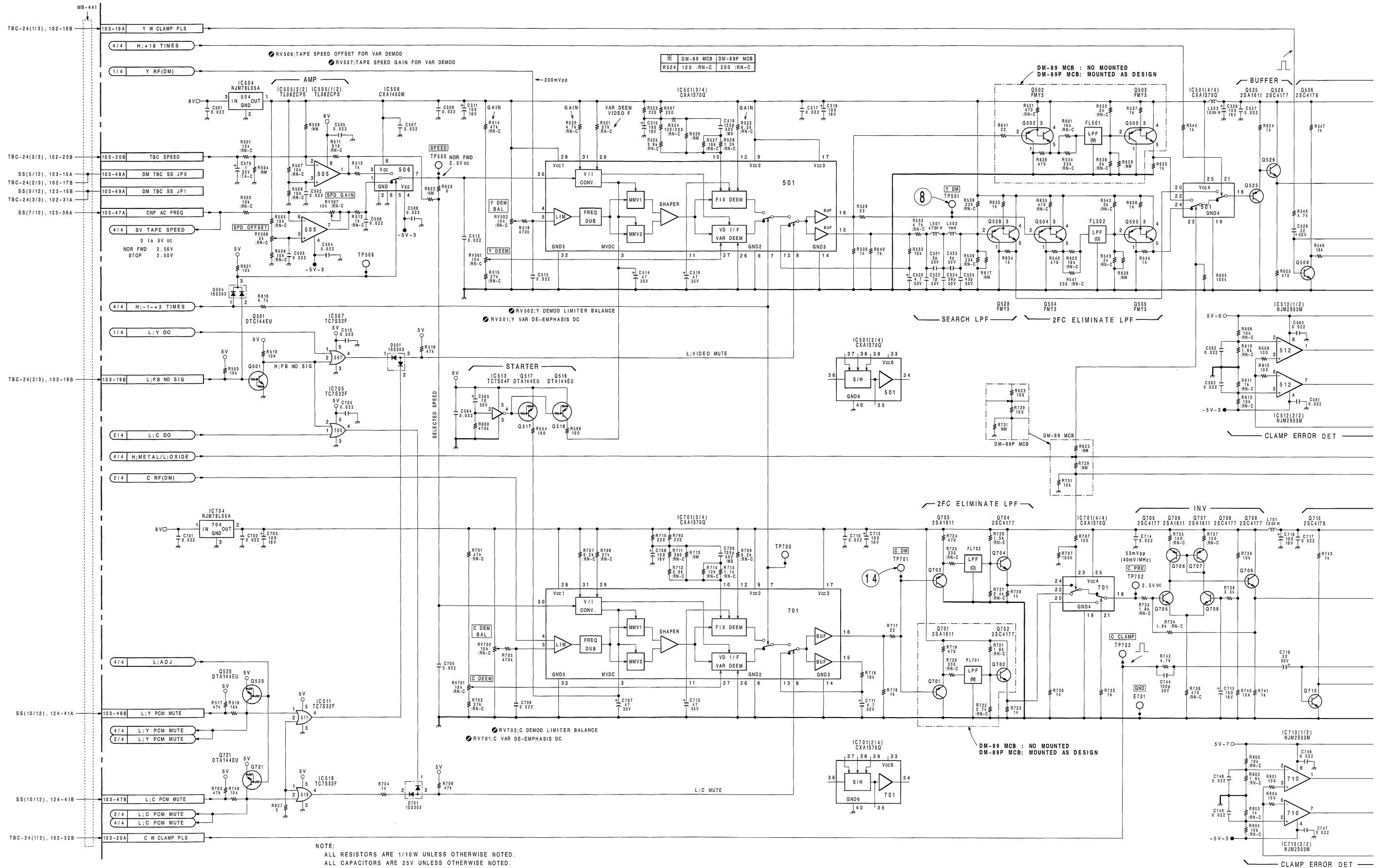
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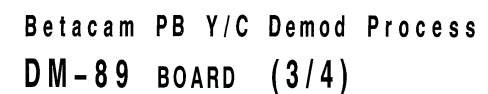
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5



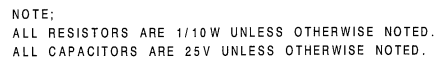


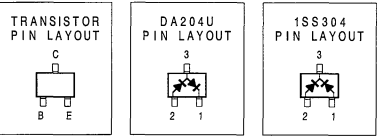
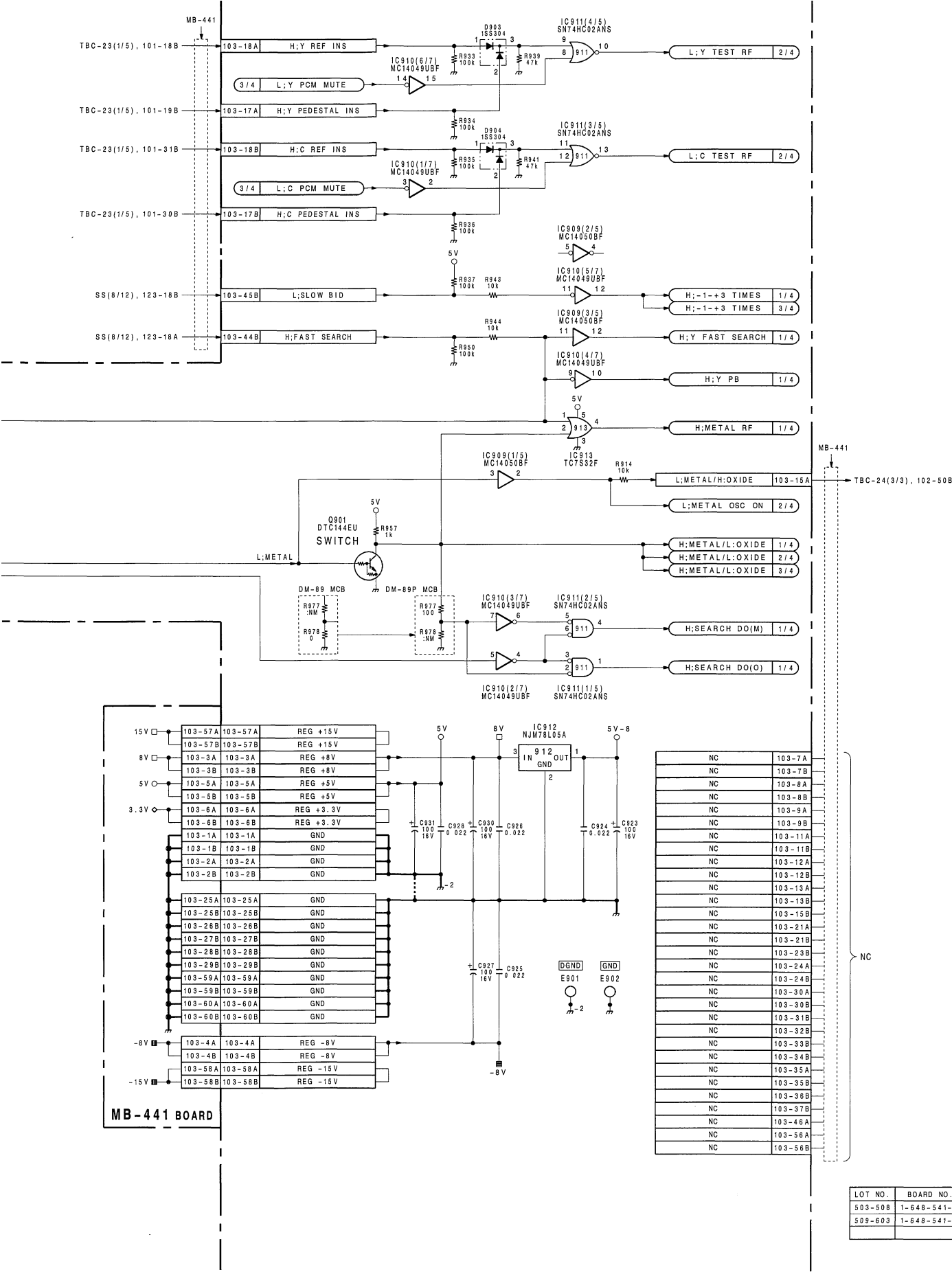




BOARD NO. 1-648-541-14, 15
BOARD'S LOT NO. 503-603
DVW-A500 (J, UC) :DM-89 MCB
DVW-A500P (EK) :DM-89P MCB
DVW-A500P (UC) :DM-89P MCB
DVW-A510 (J, UC) :DM-89 MCB
DVW-A510P (EK) :DM-89P MCB
DVW-CA510(J, UC) :DM-89 MCB
DVW-CA510P(EK) :DM-89P MCB
DVW-DM89-ALL-A-PB-SM-66-C

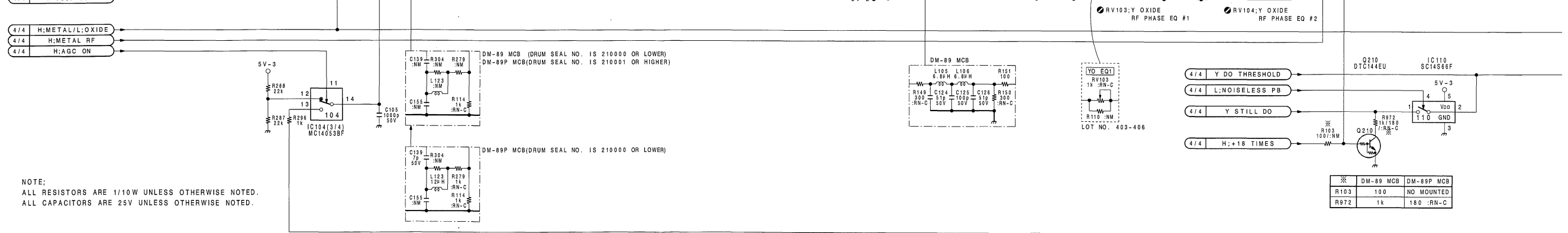
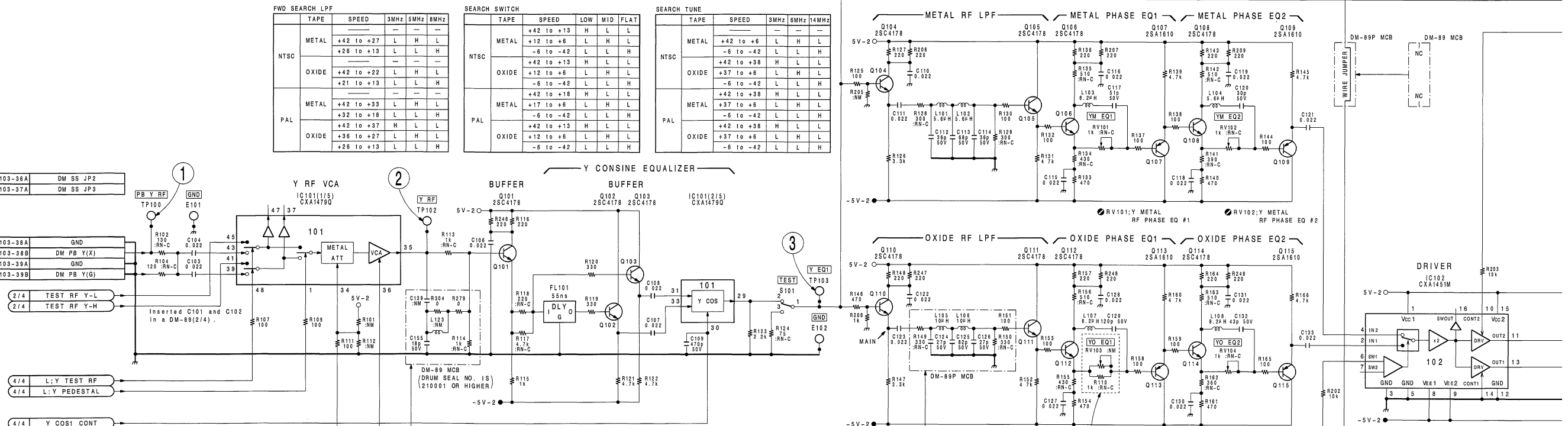
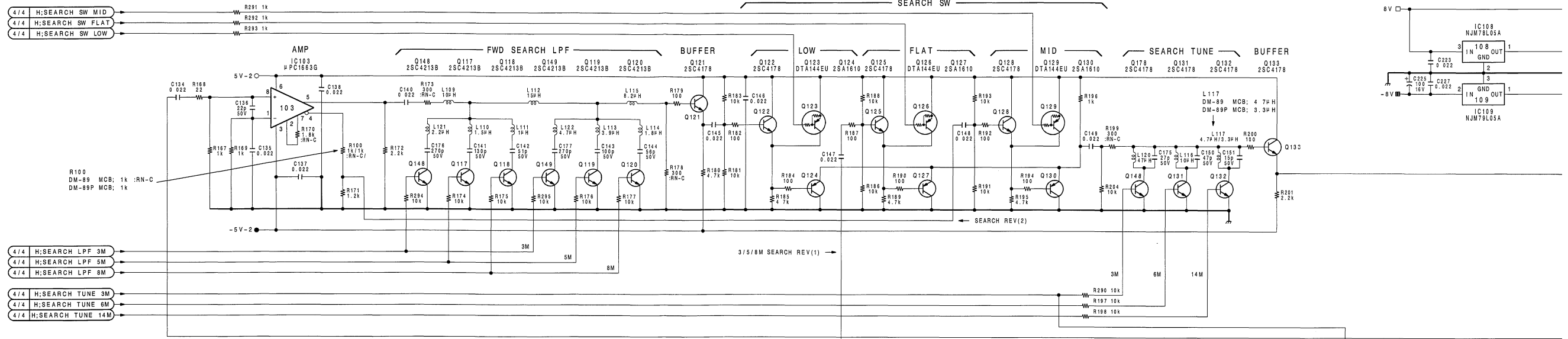
LOT NO.	BOARD NO.
503-508	1-648-541-14
509-603	1-648-541-15





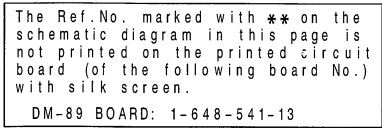
Betacam PB Control DM-89 BOARD (4/4)

BOARD NO. 1-648-541-14, 15
BOARD S LOT NO. 503-603
DVW-A500 (J, UC) :DM-89 MCB
DVW-A500P (EK) :DM-89P MCB
DVW-A500P (UC) :DM-89P MCB
DVW-A510 (J, UC) :DM-89 MCB
DVW-A510P (EK) :DM-89P MCB
DVW-CA510(J, UC) :DM-89 MCB
DVW-CA510P(EK) :DM-89P MCB
DVW-DM89-ALL-A-PB-S/M-06-C



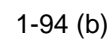
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

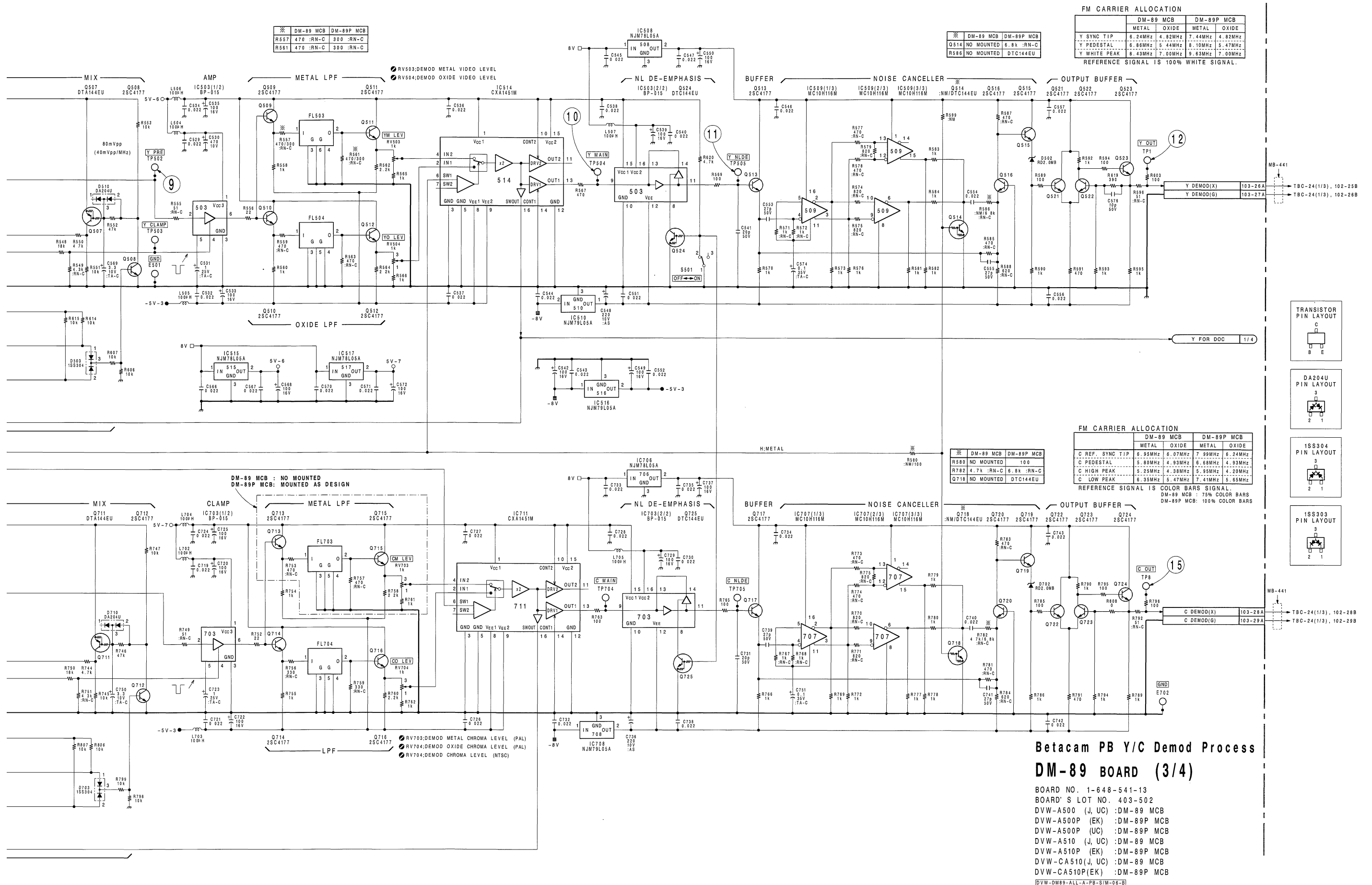
	DM-89 MCB	DM-89P MCB
R103	100	NO MOUNTED
R972	1k	180 :RN-C

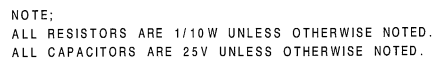


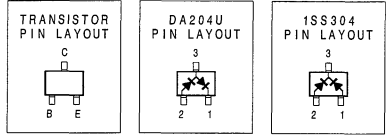
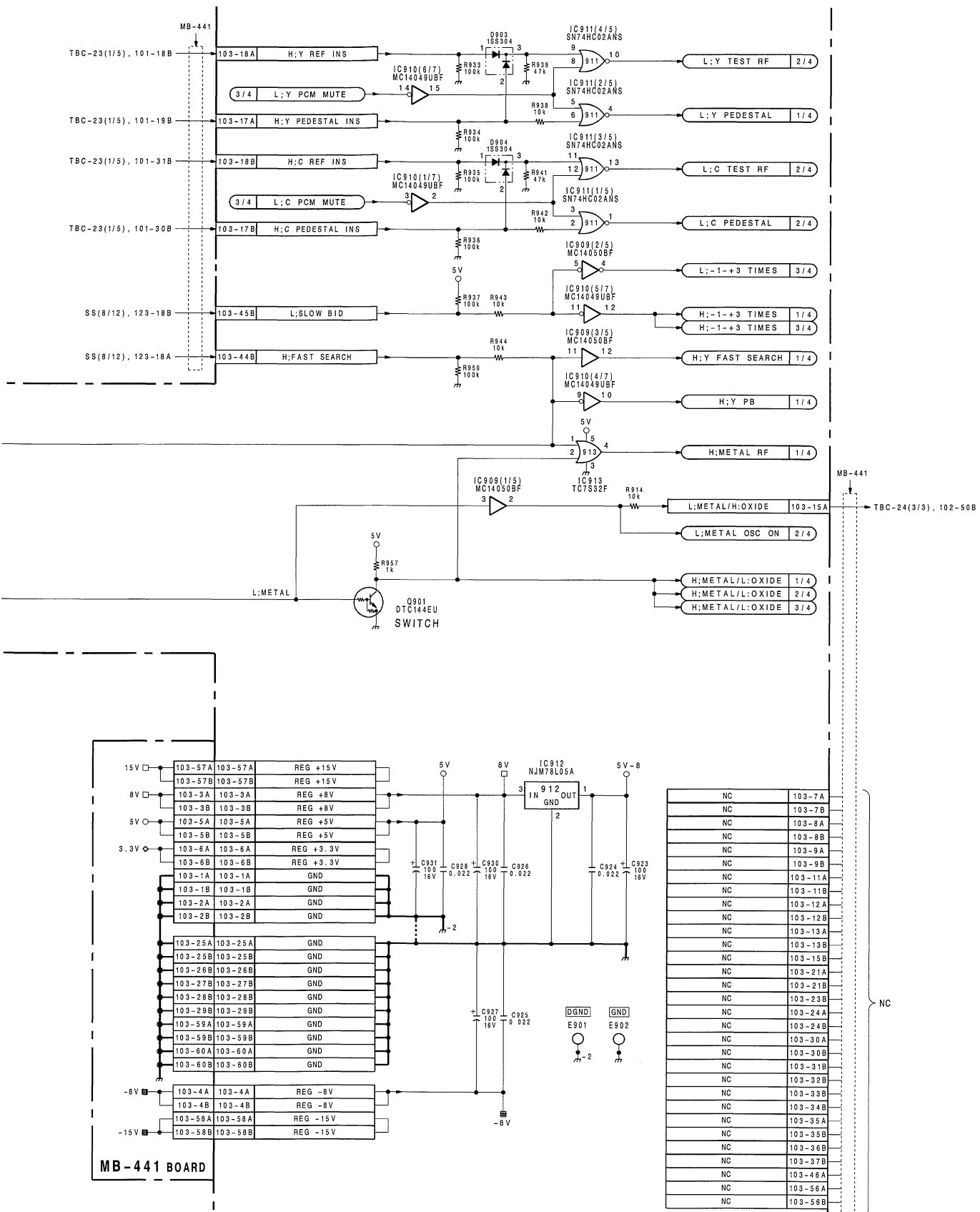


DVW-DM89-ALL-A-PB-S/M-06-B









Betacam PB Control
DM-89 BOARD (4/4)

BOARD NO. 1-648-541-13
BOARD'S LOT NO. 403-502
DVW-A500 (J, UC) :DM-89 MCB
DVW-A500P (EK) :DM-89P MCB
DVW-A500P (UC) :DM-89P MCB
DVW-A510 (J, UC) :DM-89 MCB
DVW-A510P (EK) :DM-89P MCB
DVW-CA510(J, UC) :DM-89 MCB
DVW-CA510P(EK) :DM-89P MCB
DVW-DM89-ALL-A-PB-S/M-06-B





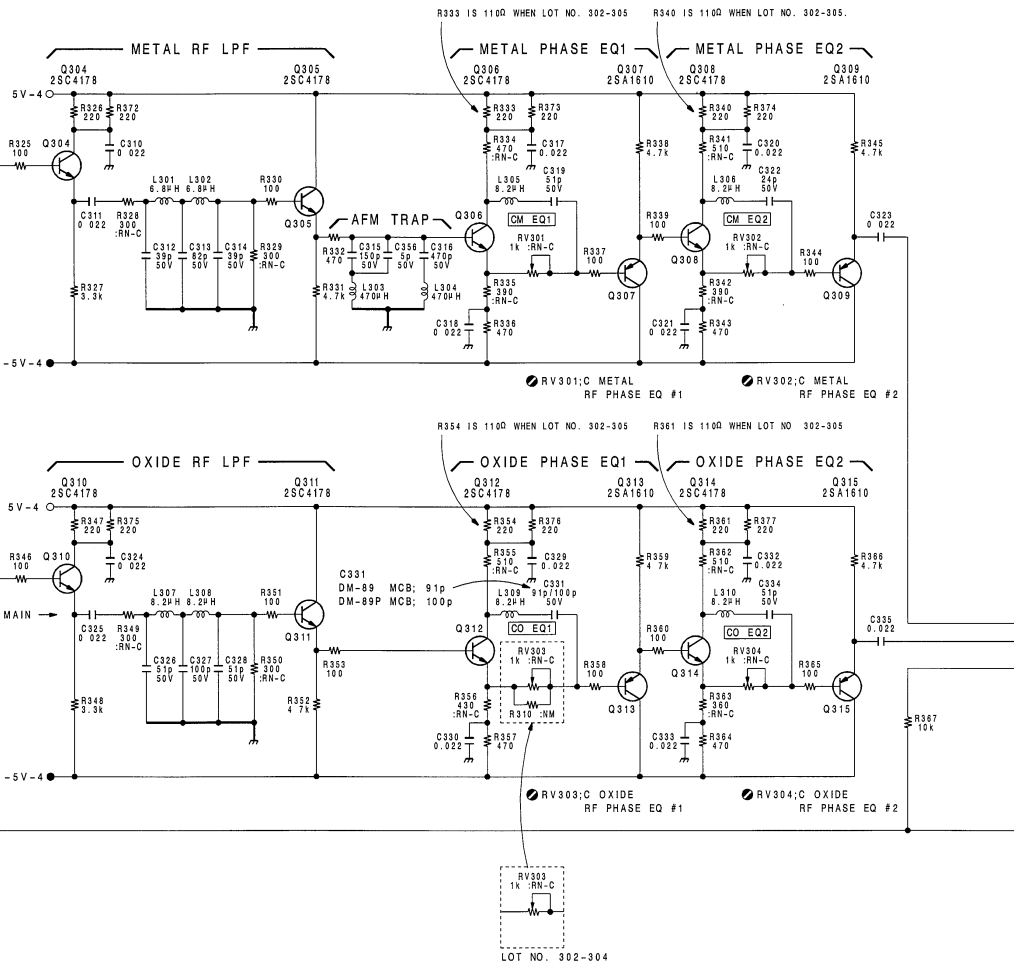
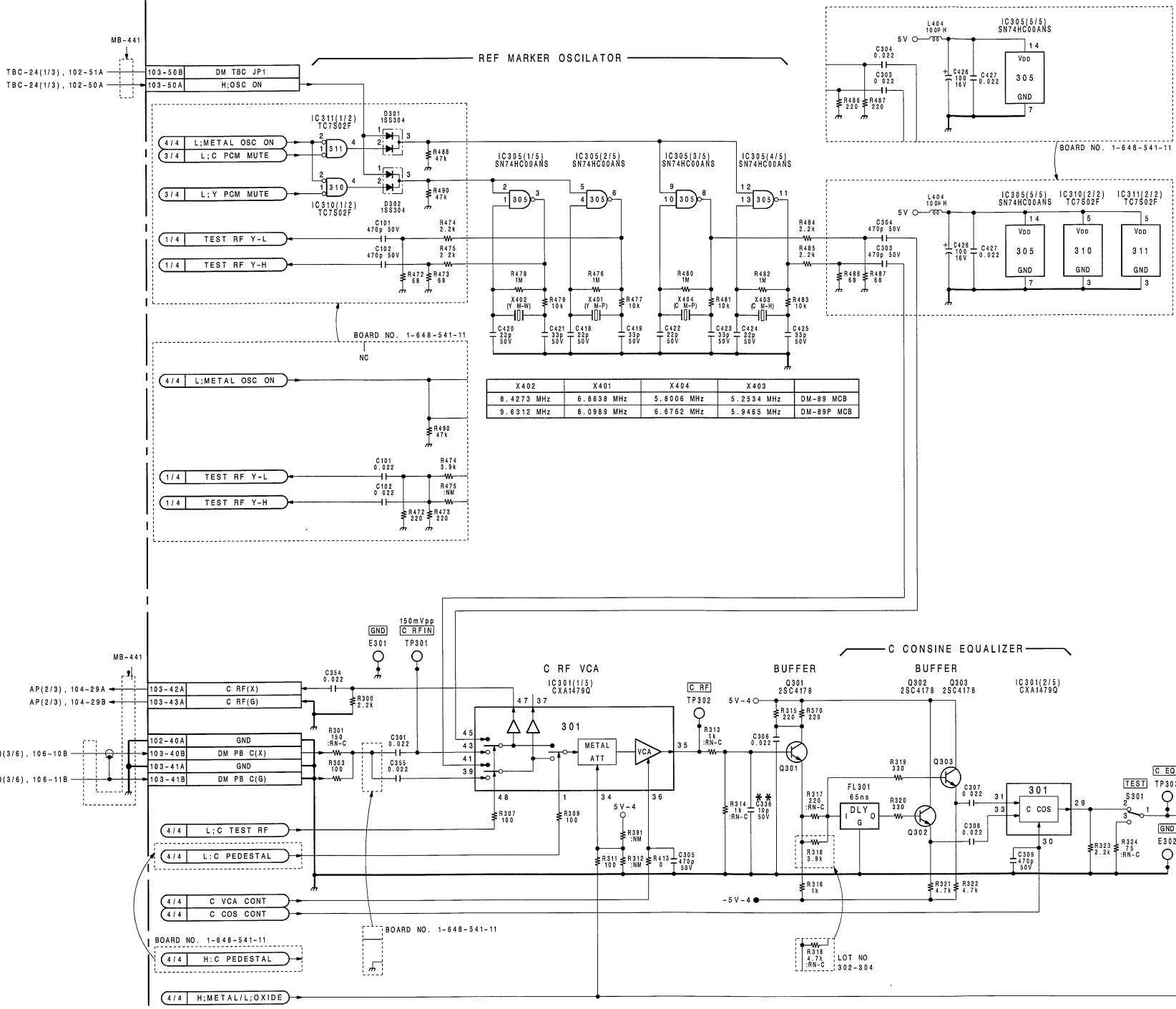
1

2

3

4

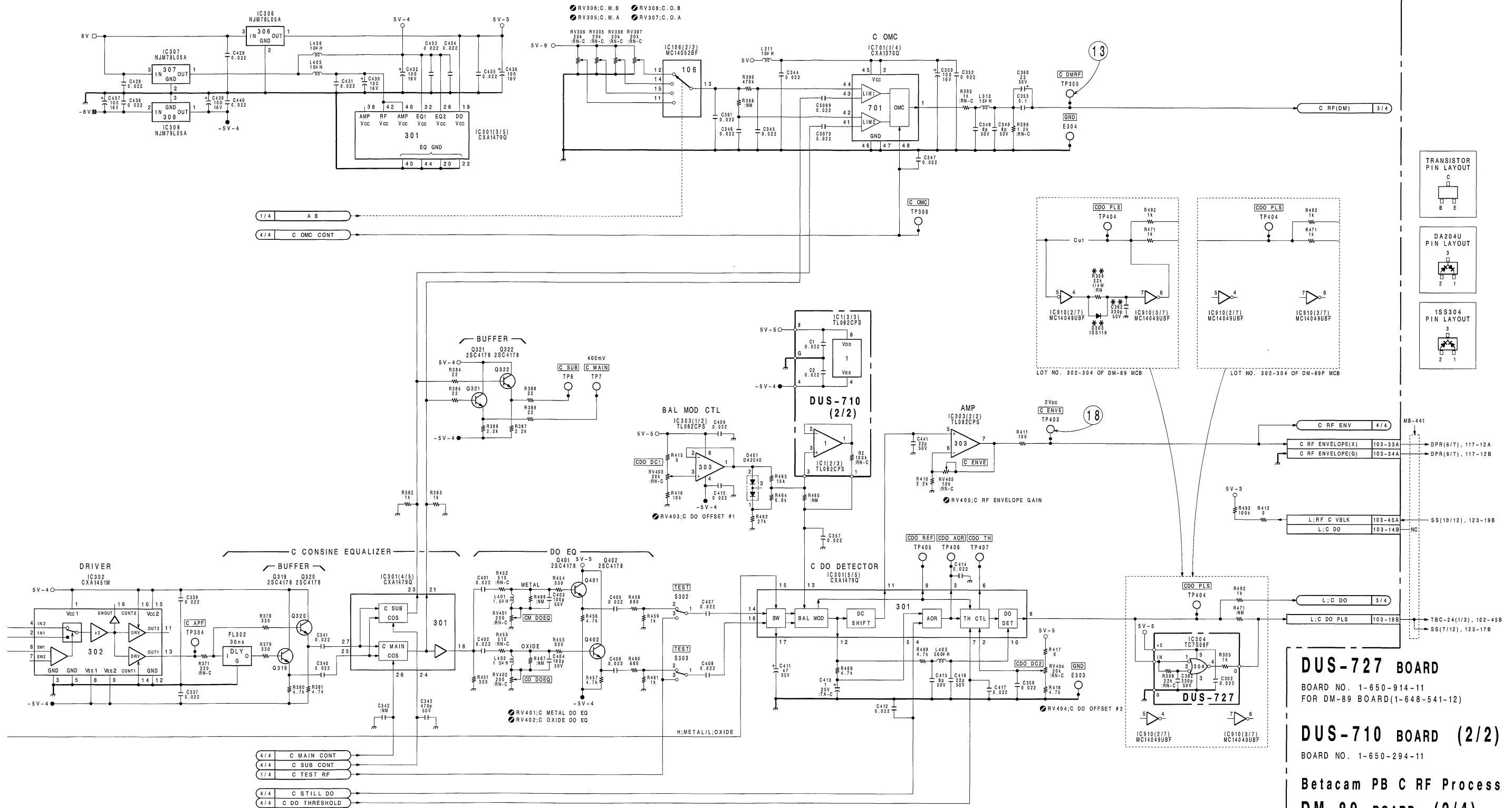
5



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

DM-89 BOARD: 1-648-541-11

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



DUS-727 BOARD

BOARD NO. 1-650-914-11
FOR DM-89 BOARD(1-648-541-12)

DUS-710 BOARD (2/2)

BOARD NO. 1-650-294-11

Betacam PB C RF Process

DM-89 BOARD (2/4)

BOARD NO. 1-648-541-11, 12

BOARD' S LOT NO. 302-402

DVW-A500 (J, UC) :DM-89 MCB

DVW-A500P (EK) :DM-89P MCB

DVW-A500P (UC) : DM-89P MCB

DVW-A510 (J, UC) :DM-89 MCB

DVW-A510P (EK) :DM-89P MCB

DVW-CA510 (UC) : DM-89 MCB

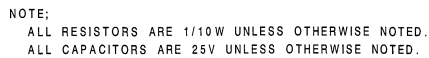
DVW-CA510 (UC) : DM-89 MCB
DVW-CA510P(EK) : DM-89P MCB

OVW-DM89-ALL-A-BB-S/M-06-A

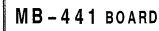
DVW-DM89-ALL-A-PB-S/M-06-A

LOT NO.	BOARD NO.
302-304	1-648-541-1
305-402	1-648-541-1

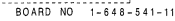
DVW-DM89-ALL-A-PB-S/M-06-A



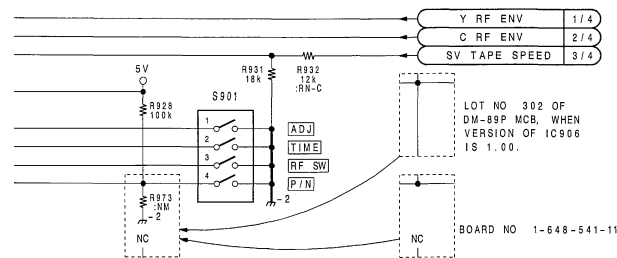
LOT NO.	BOARD NO.
302-304	1-648-541-11
305-402	1-648-541-12



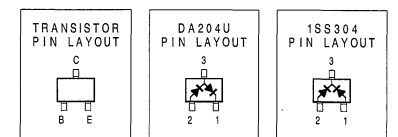
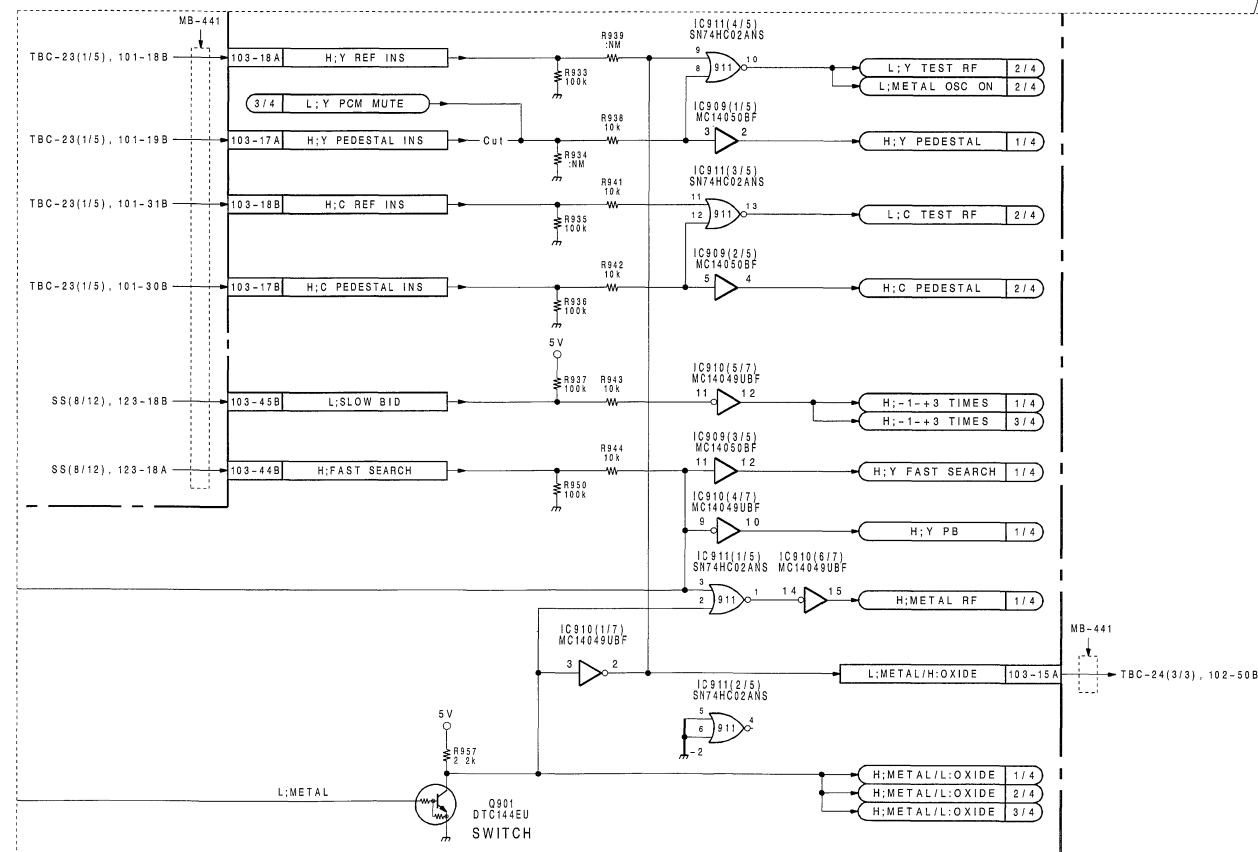
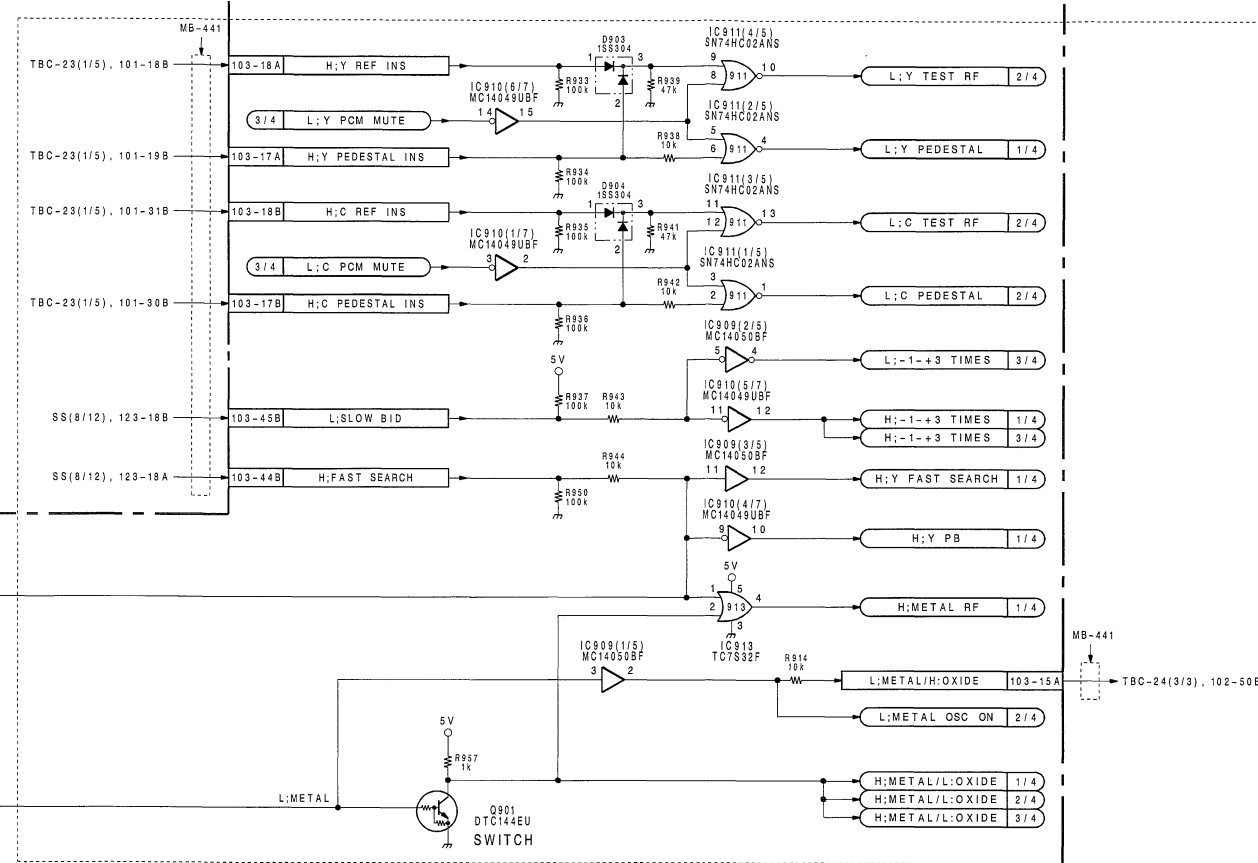
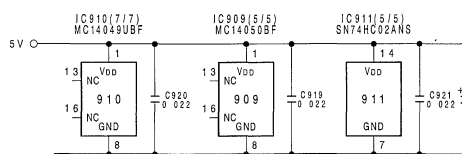
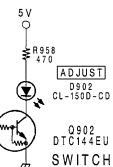
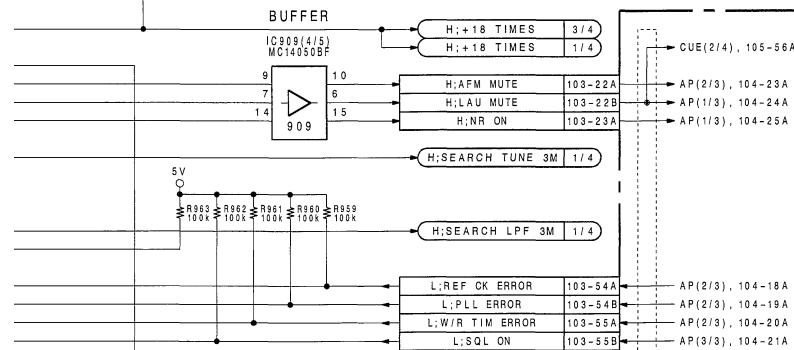
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



FACTORY SETTING OF S901				
	1	2	3	4
DM-89 MCB	OFF	OFF	OFF	ON
DM-89P MCB	OFF	OFF	OFF	OFF



H:SEARCH TUNE 14M	1/4
H:SEARCH TUNE 6M	1/4
H:SEARCH SW FLAT	1/4
L:Y DOP	1/4
H:SEARCH SW LOW	1/4
H:SEARCH LPF 8M	1/4
H:SEARCH LPF 5M	1/4
H:SEARCH SW MID	1/4

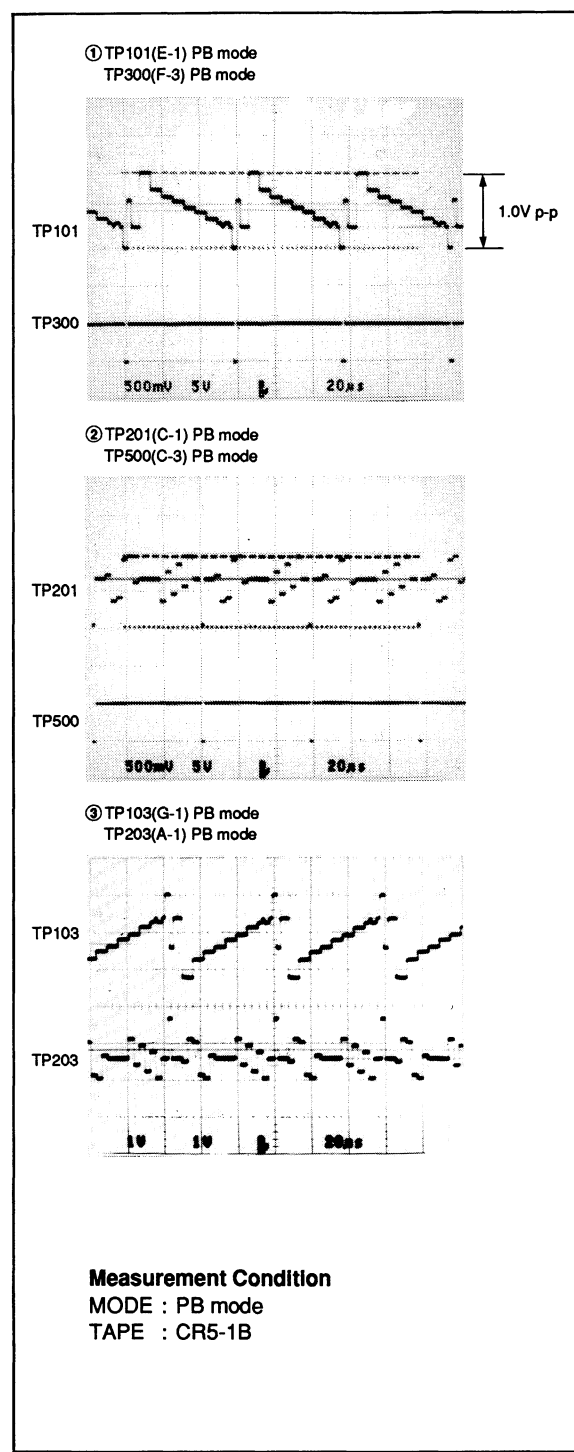
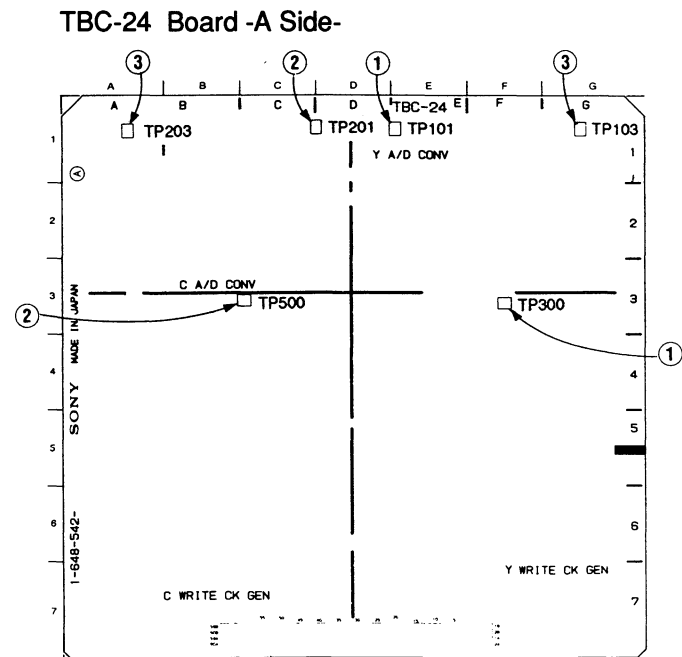


Betacam PB Control DM-89 BOARD (4/4)

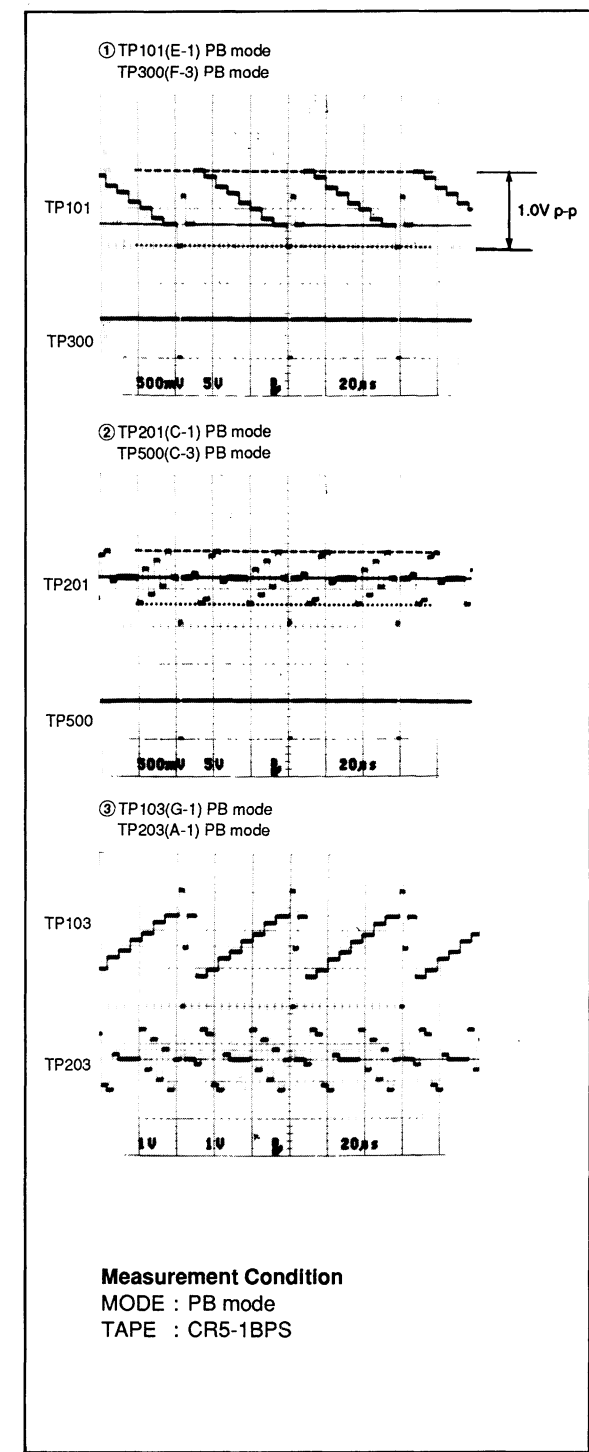
BOARD NO. 1-648-541-11, 12
BOARD'S LOT NO. 302-402
DVW-A500 (J, UC) :DM-89 MCB
DVW-A500P (EK) :DM-89P MCB
DVW-A500P (UC) :DM-89P MCB
DVW-A510 (J, UC) :DM-89 MCB
DVW-A510P (EK) :DM-89P MCB
DVW-CA510 (UC) :DM-89 MCB
DVW-CA510P(EK) :DM-89P MCB

LOT NO.	BOARD NO.
302-304	1-648-541-11
305-402	1-648-541-12

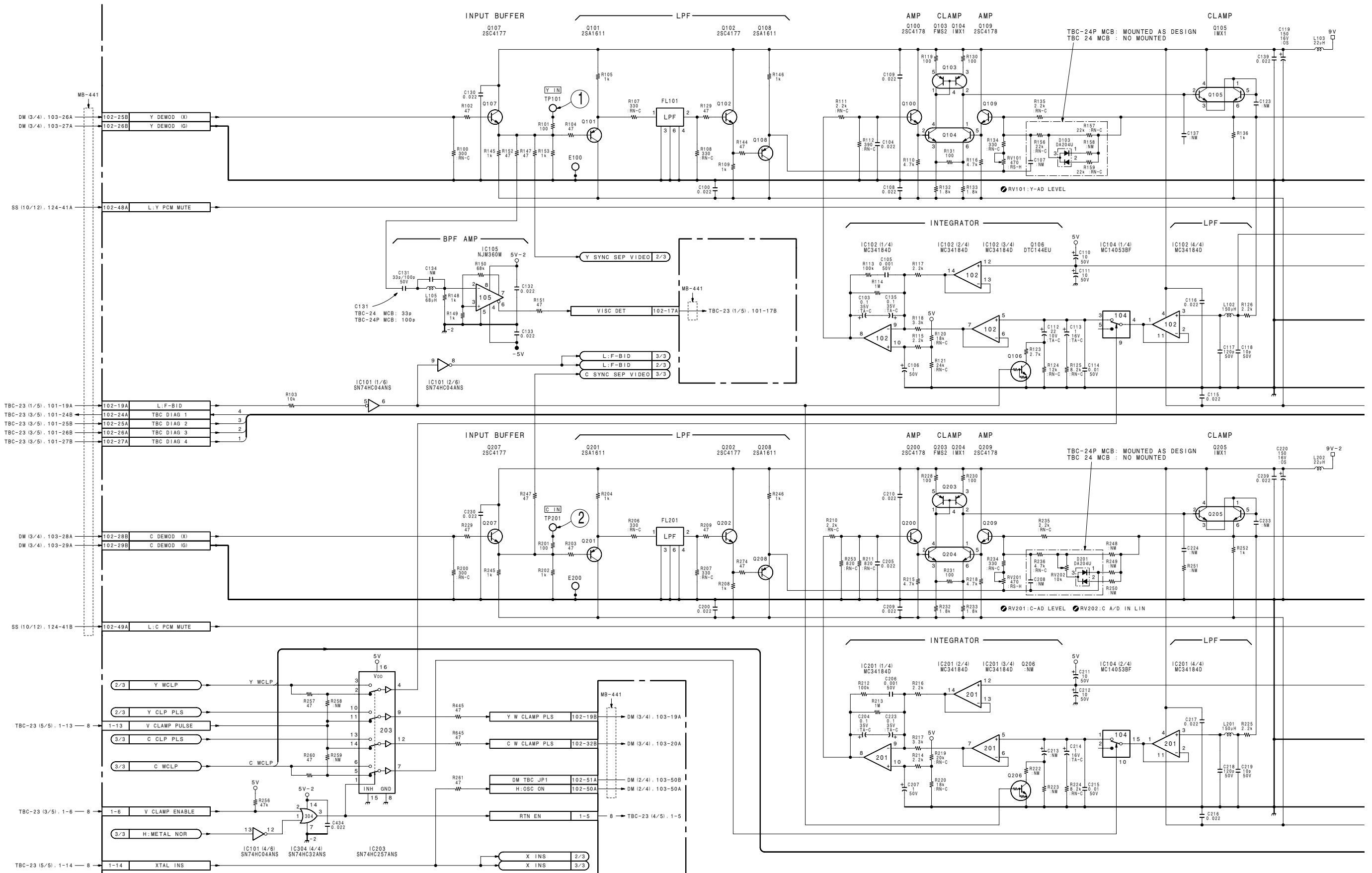
DVW-DM89-ALL-A-PB-S/M-06-A

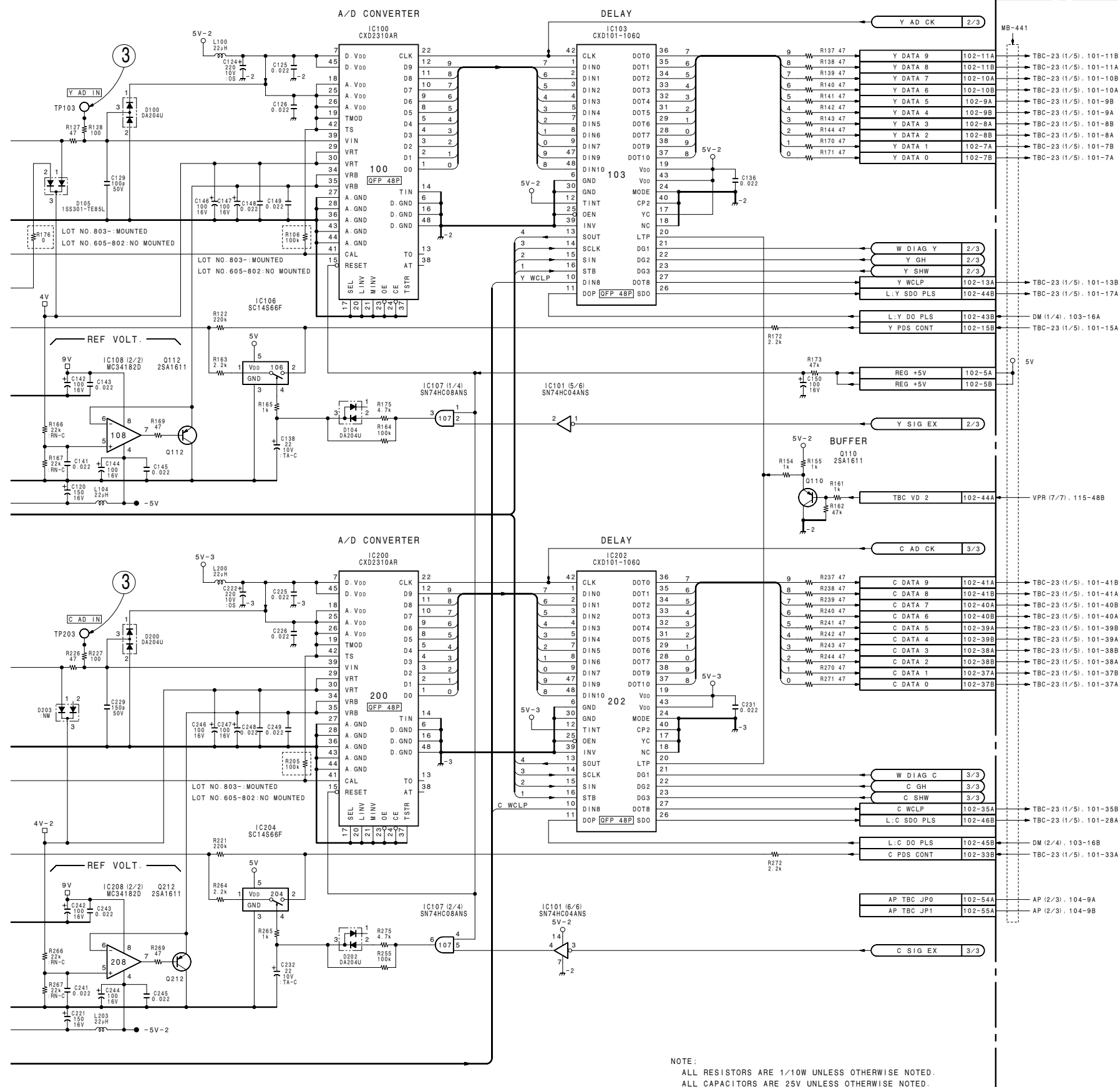


For DVW-A500/A510/CA510

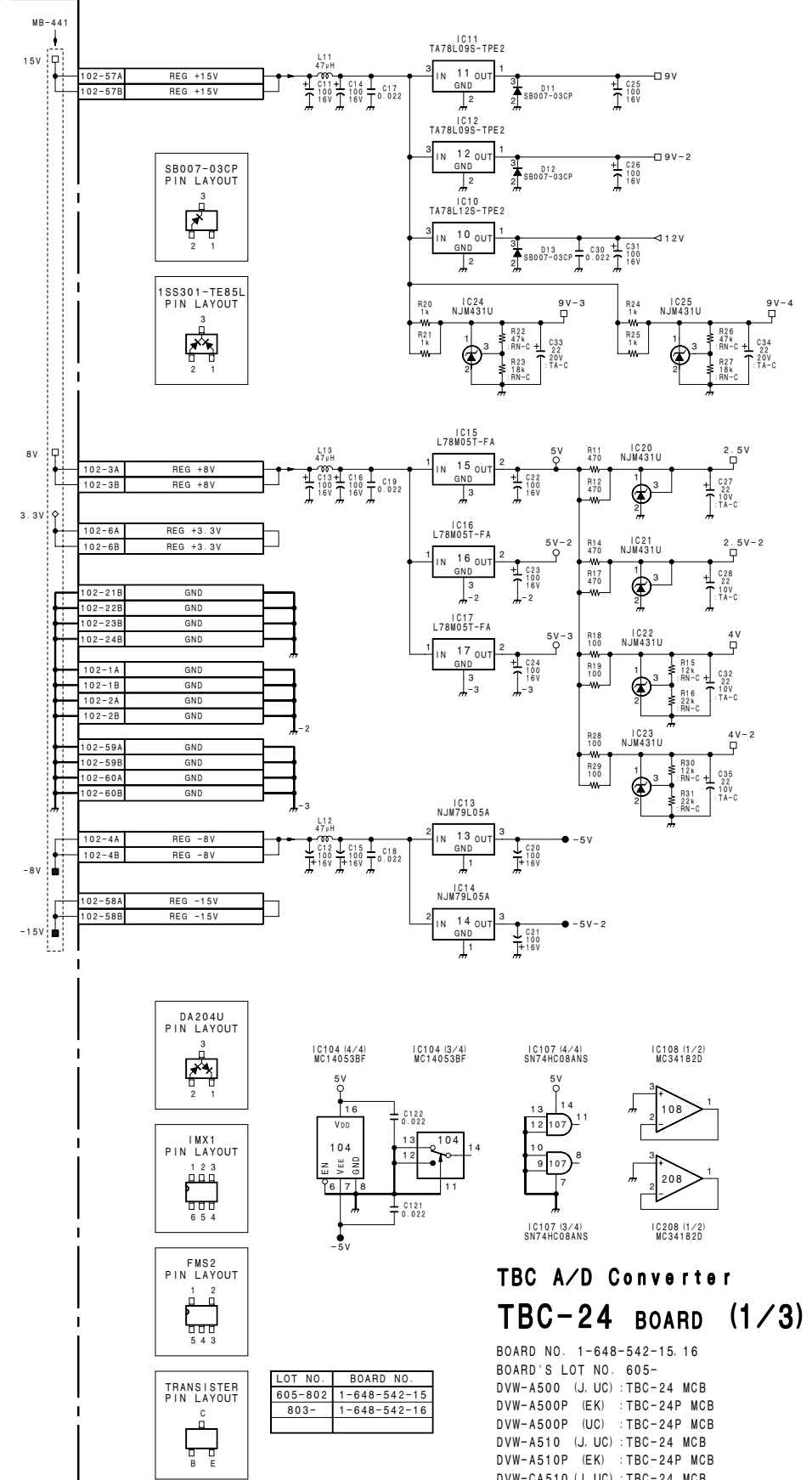


For DVW-A500P/A510P/CA510P



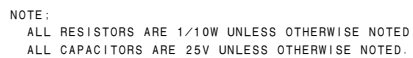


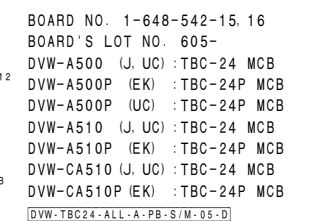
NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



TBC A/D Converter
TBC-24 BOARD (1/3)

BOARD NO. 1-648-542-15, 16
BOARD'S LOT NO. 605-
DVW-A500 (J. UC) : TBC-24 MCB
DVW-A500P (EK) : TBC-24P MCB
DVW-A500P (UC) : TBC-24P MCB
DVW-A510 (J. UC) : TBC-24 MCB
DVW-A510P (EK) : TBC-24P MCB
DVW-CA510 (J. UC) : TBC-24 MCB
DVW-CA510P (EK) : TBC-24P MCB
DVW-TBC24-ALL-A-PB-S/M-O-5-D





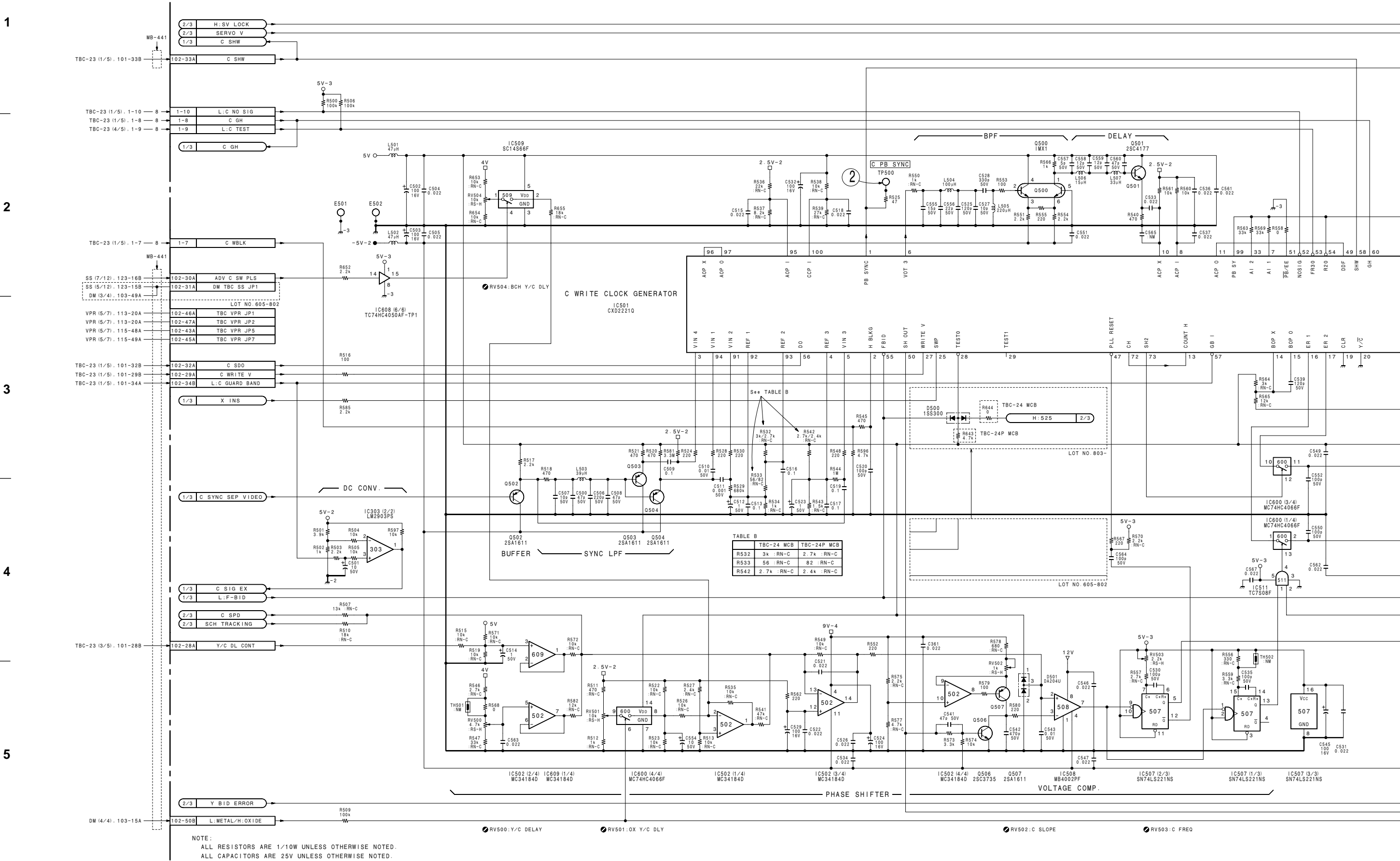
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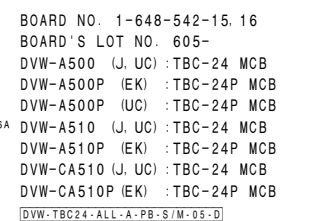
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3

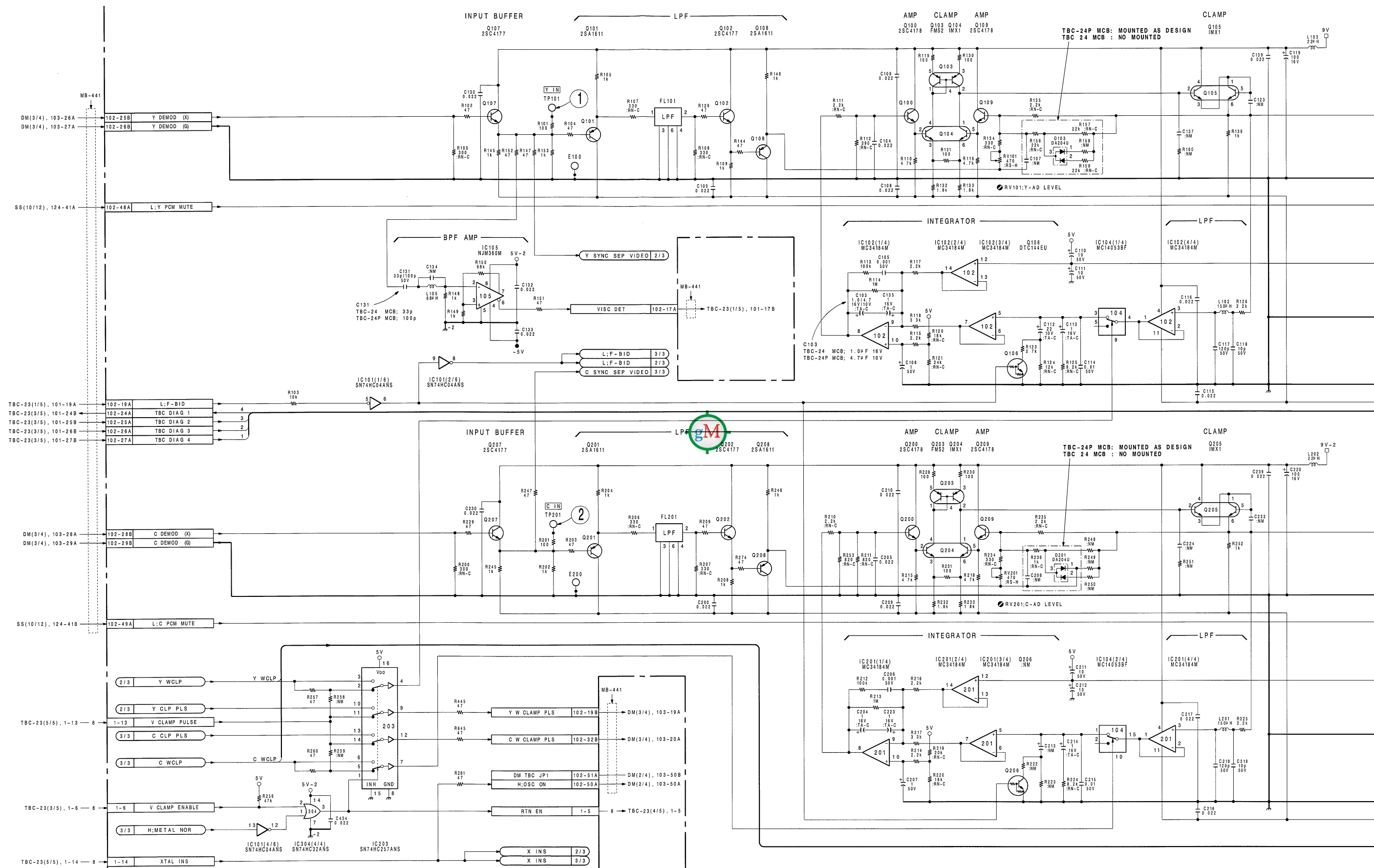
4

5

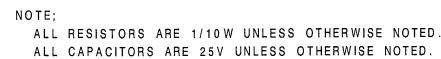




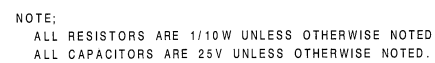
TBC-24 (1/3)

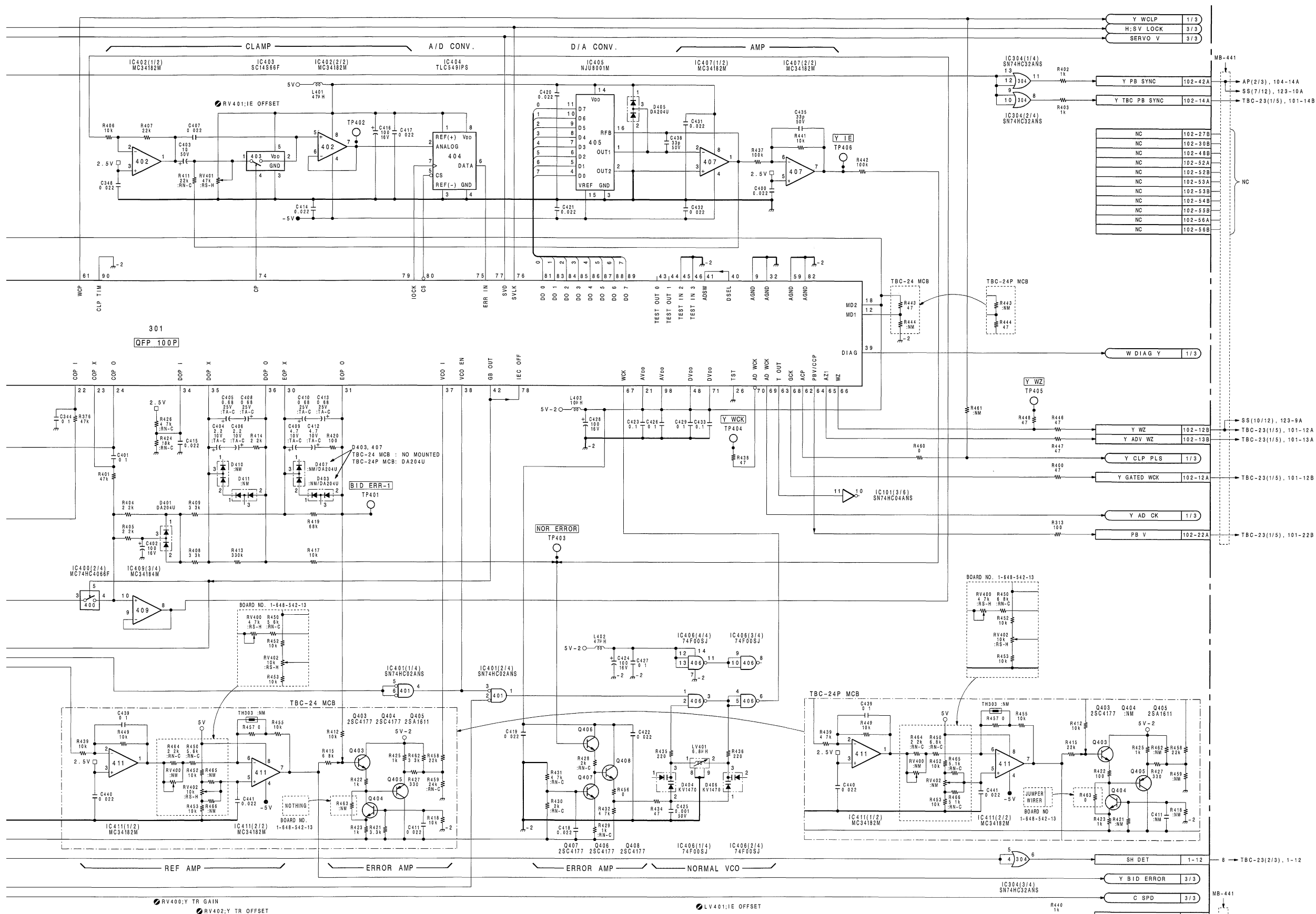


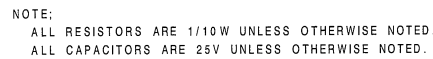
1-100 (c)

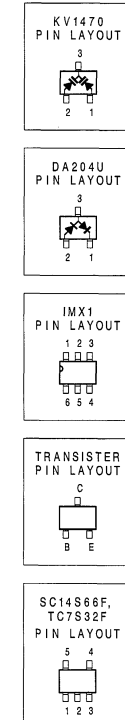
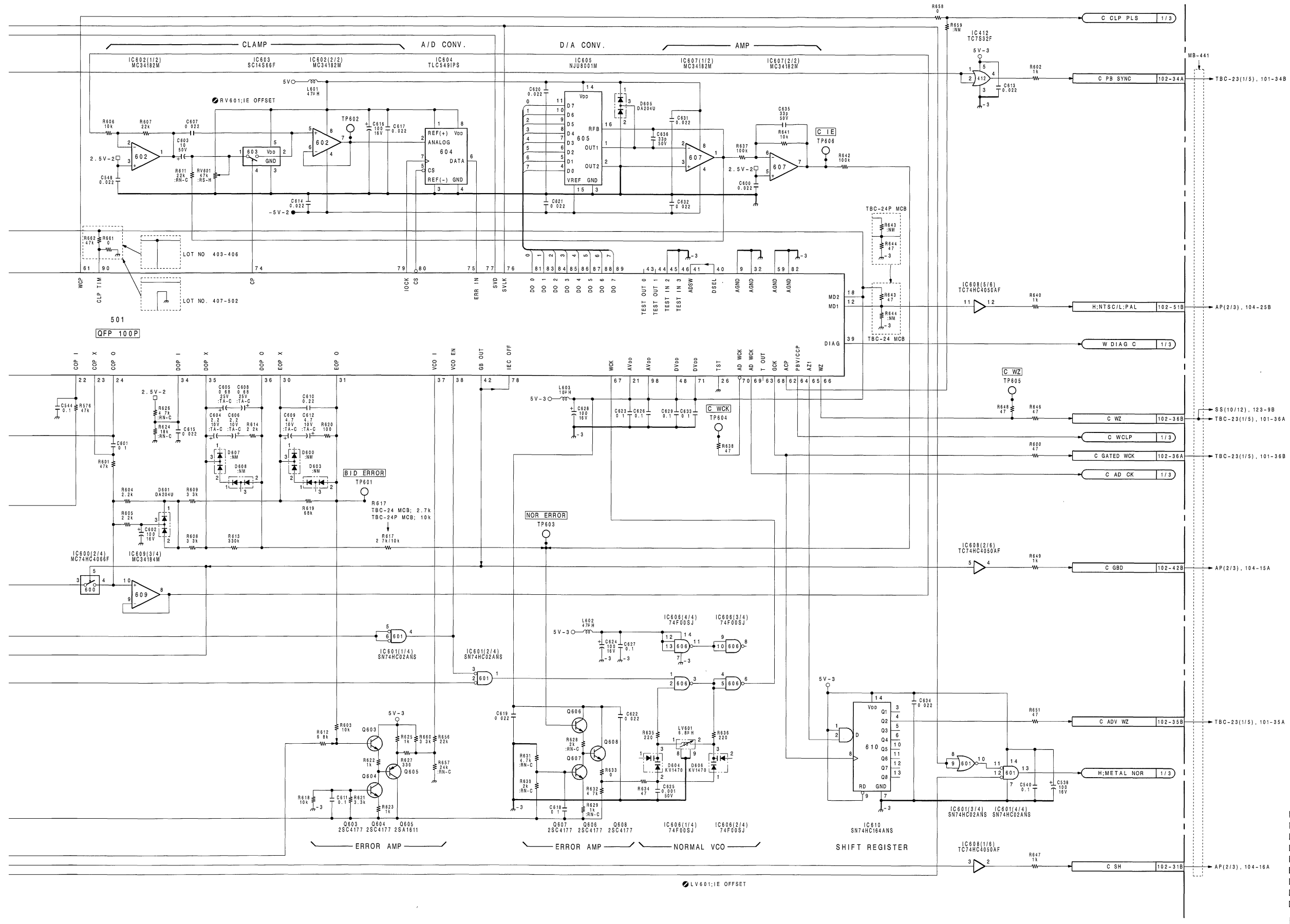


DVW-TBC24-ALL-A-PB-S/M-05-C









LOT NO.	BOARD NO.
403-502	1-648-542-13
503-603	1-648-542-14

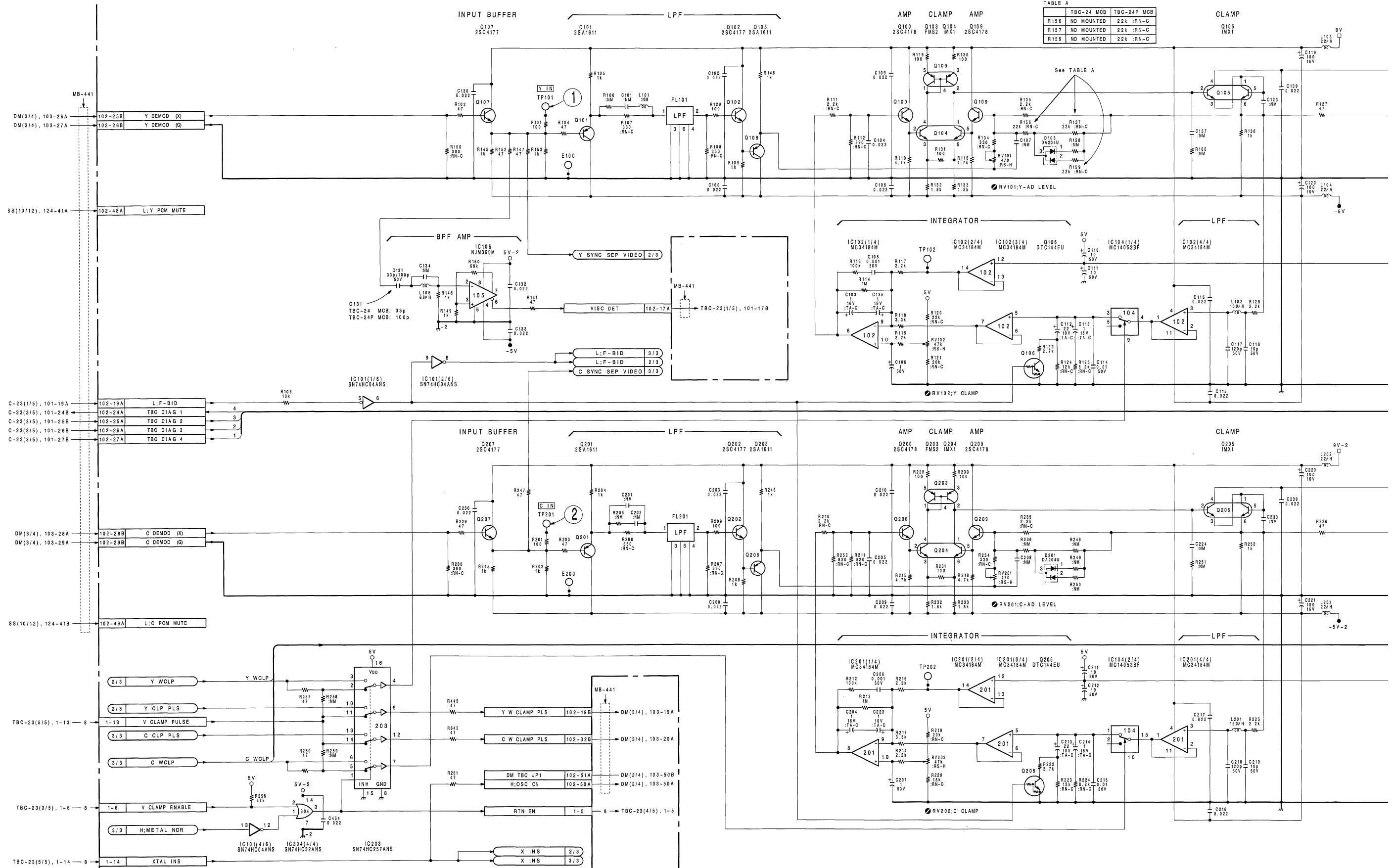
C Write Clock Generator TBC-24 BOARD (3/3)

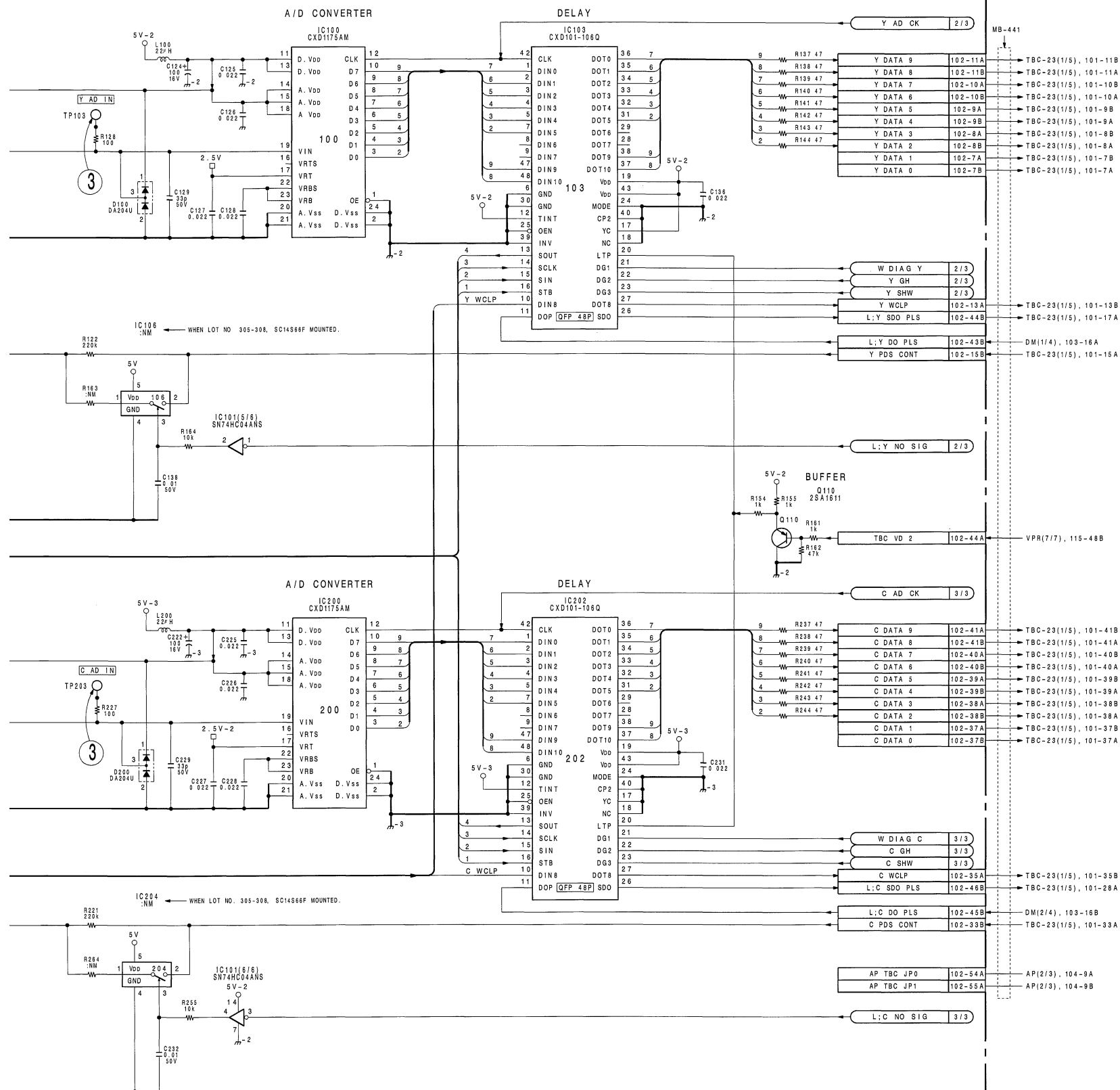
BOARD NO. 1-648-542-13, 14
BOARD'S LOT NO. 403-603
DVW-A500 (J, UC) :TBC-24 MCB
DVW-A500P (EK) :TBC-24P MCB
DVW-A500P (UC) :TBC-24P MCB
DVW-A510 (J, UC) :TBC-24 MCB
DVW-A510P (EK) :TBC-24P MCB
DVW-CA510(J, UC) :TBC-24 MCB
DVW-CA510P(EK) :TBC-24P MCB

DVW-TBC24-ALL-A-PB-S/M-05-C

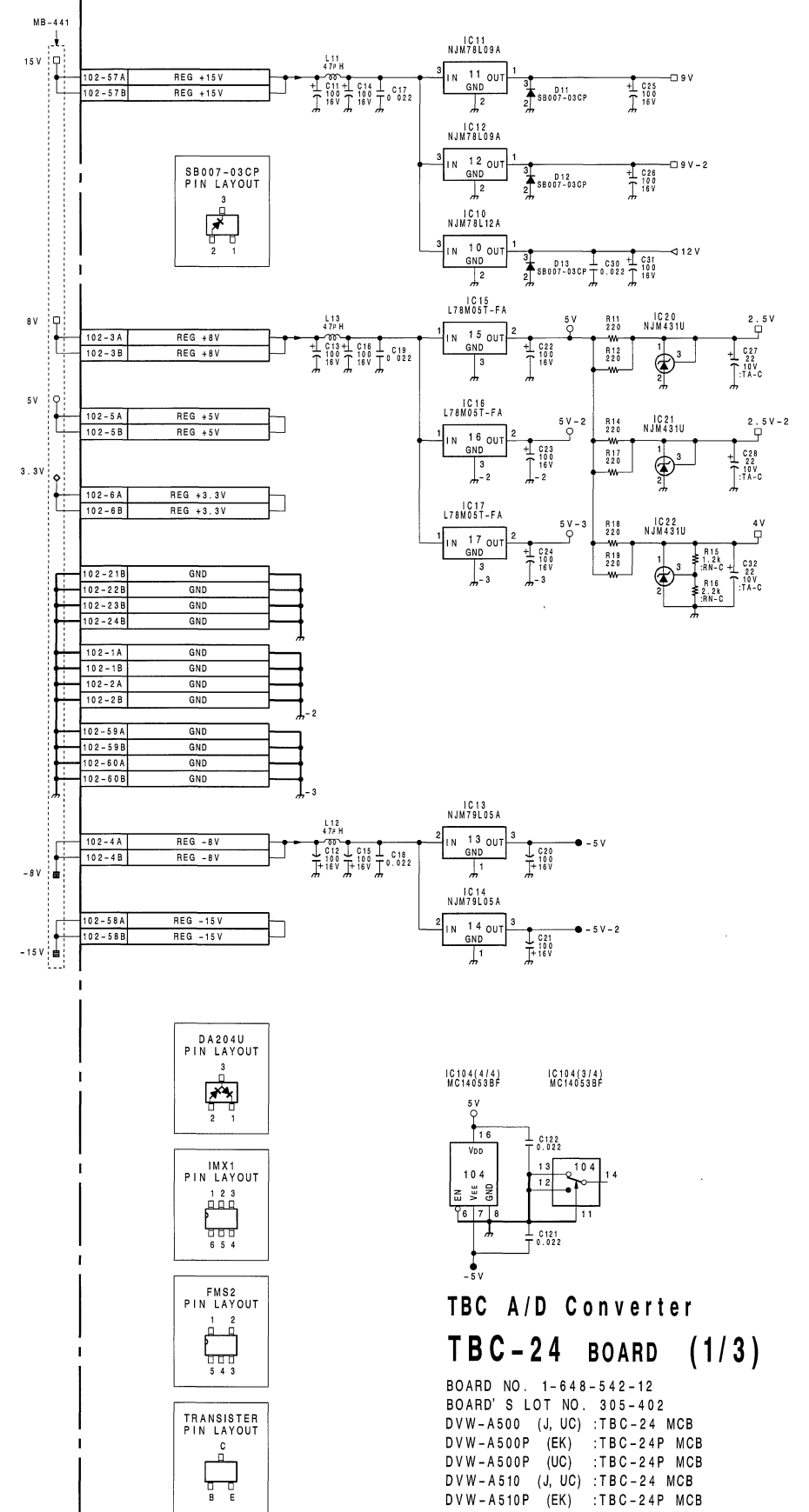
TBC-24 (1/3)

5





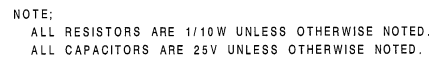
NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

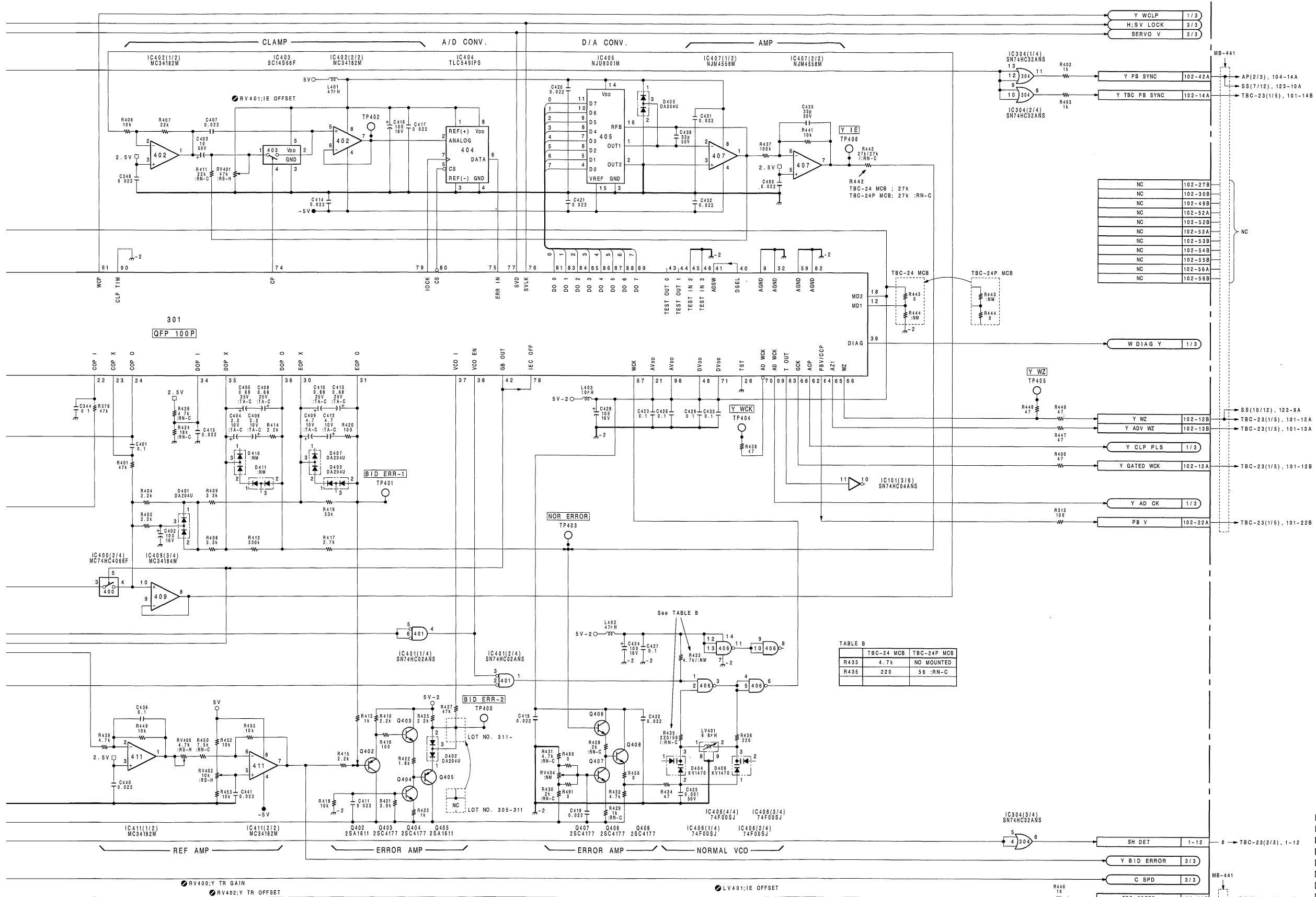


TBC A/D Converter
TBC-24 BOARD (1/3)

BOARD NO. 1-648-542-12
BOARD' S LOT NO. 305-402
DVW-A500 (J, UC) :TBC-24 MCB
DVW-A500P (EK) :TBC-24P MCB
DVW-A500P (UC) :TBC-24P MCB
DVW-A510 (J, UC) :TBC-24 MCB
DVW-A510P (EK) :TBC-24P MCB
DVW-CA510 (UC) :TBC-24 MCB
DVW-CA510P(EK) :TBC-24P MCB

DVW-TBC24-ALL-A-PB-S/M-05-B





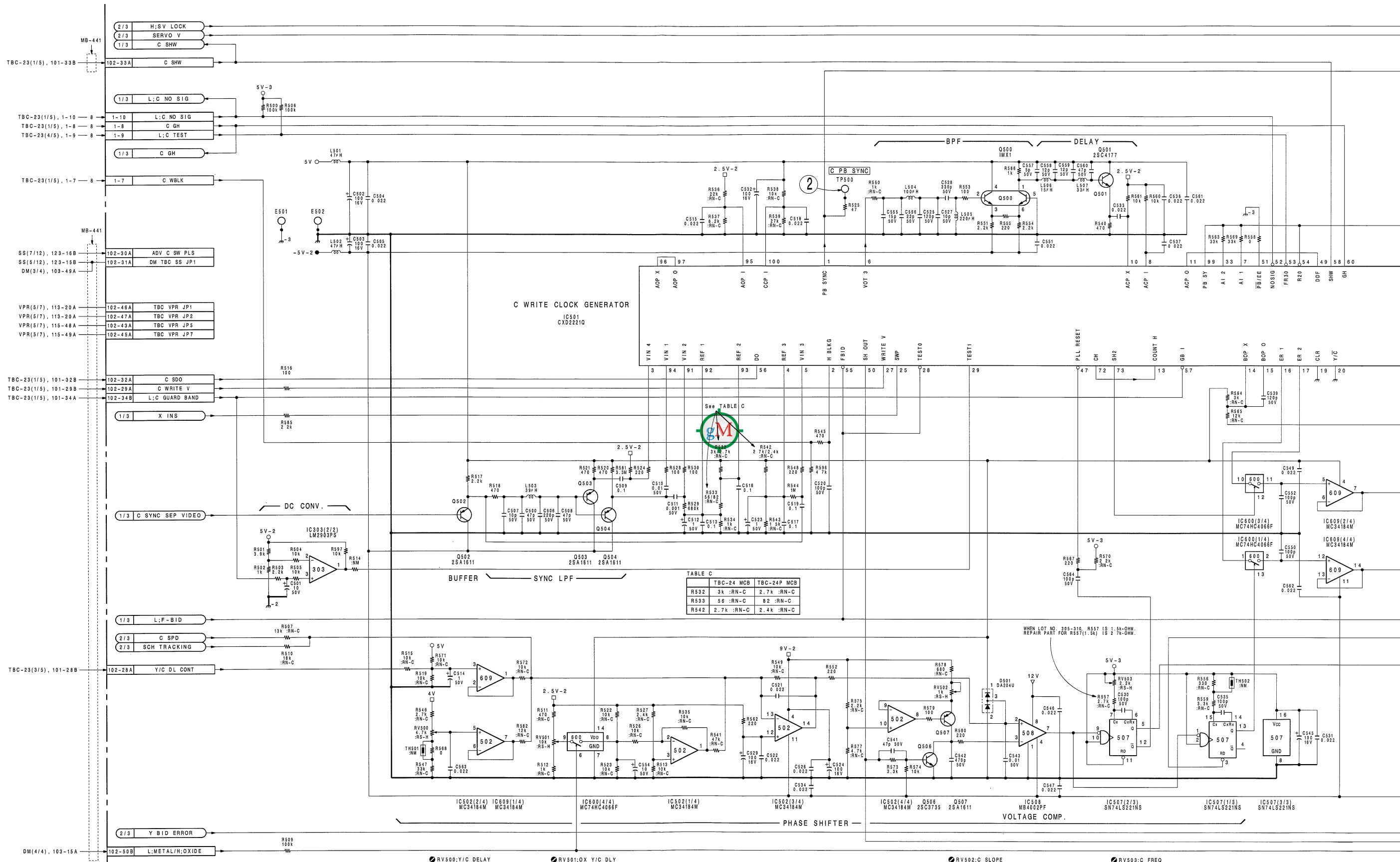
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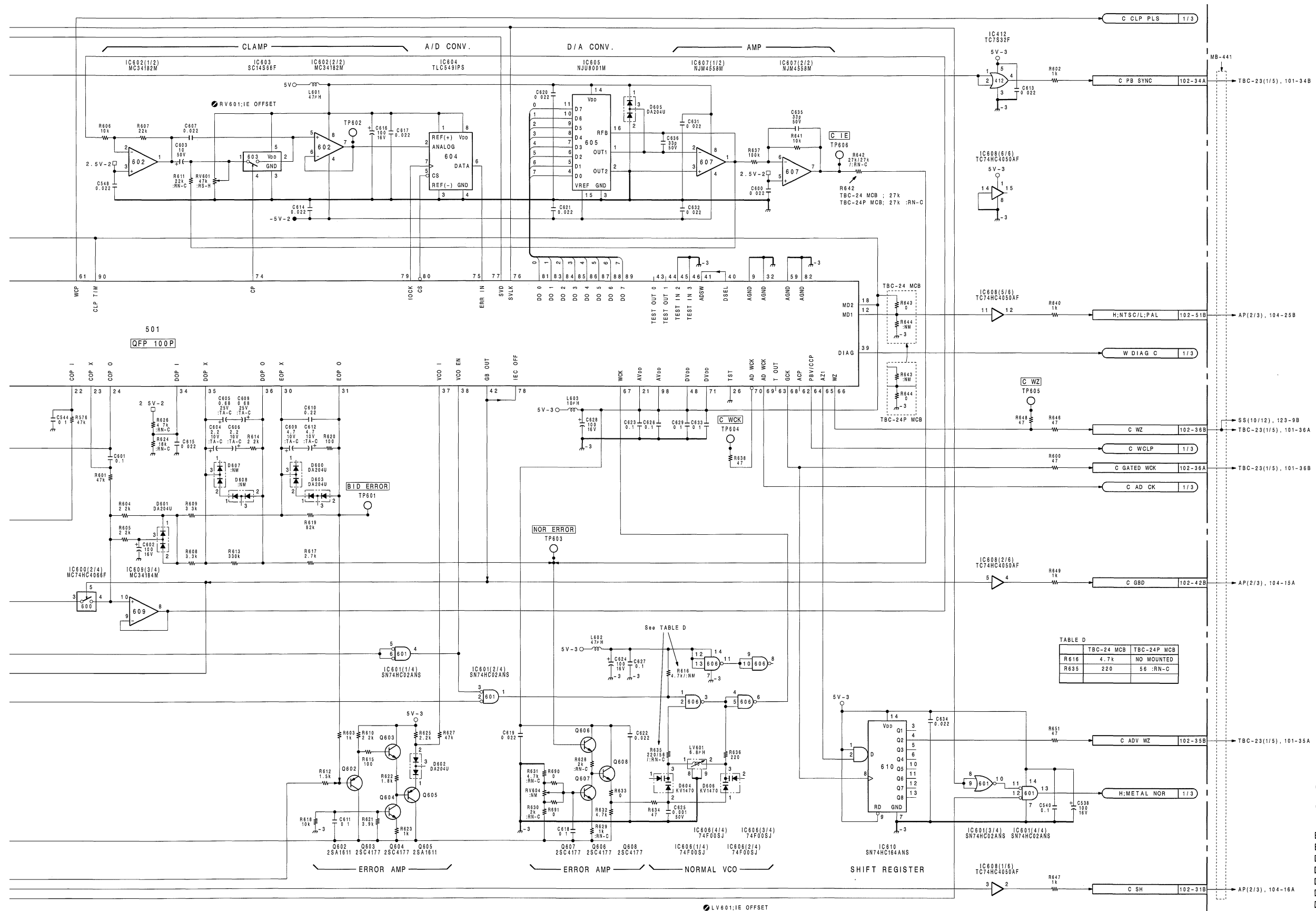
2

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C Write Clock Generator TBC-24 BOARD (3/3)

BOARD NO. 1-648-542-12
BOARD'S LOT NO. 305-402
DVW-A500 (J, UC) :TBC-24 MCB
DVW-A500P (EK) :TBC-24P MCB
DVW-A500P (UC) :TBC-24P MCB
DVW-A510 (J, UC) :TBC-24 MCB
DVW-A510P (EK) :TBC-24P MCB
DVW-CA510 (UC) :TBC-24 MCB
DVW-CA510P(EK) :TBC-24P MCB

(DVW-TBC24-ALL-A-PB-S/M-05-B)

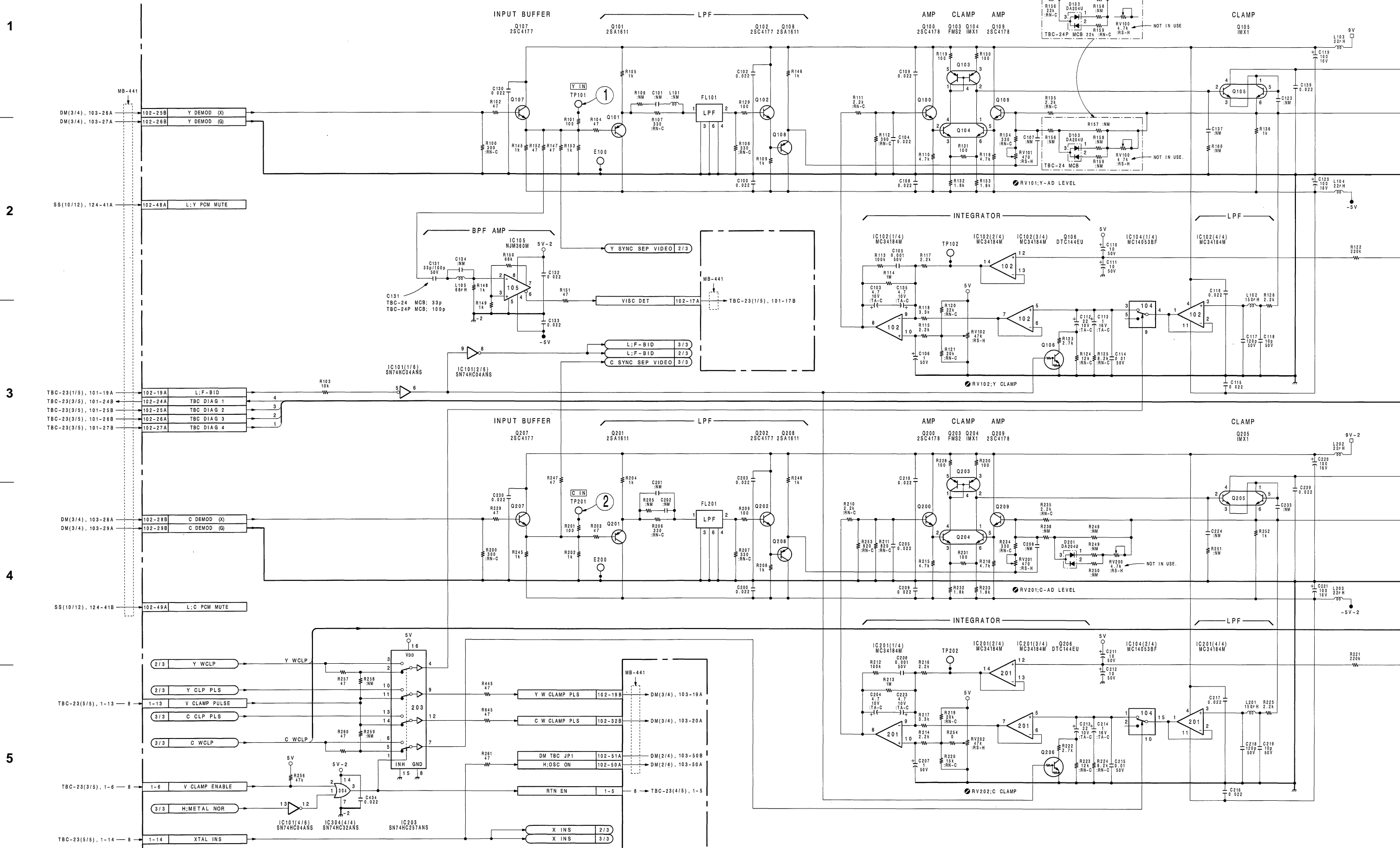
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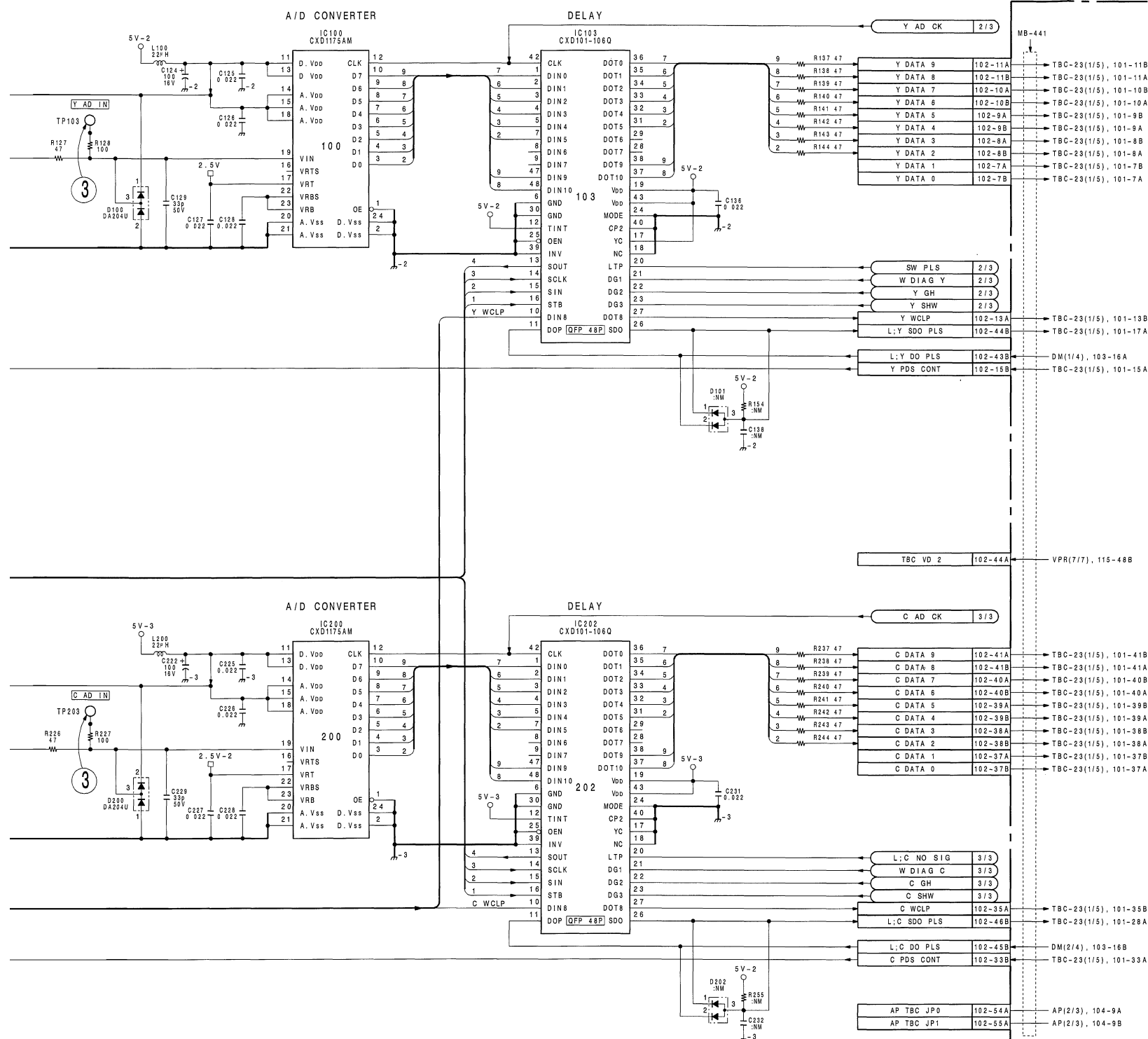
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3

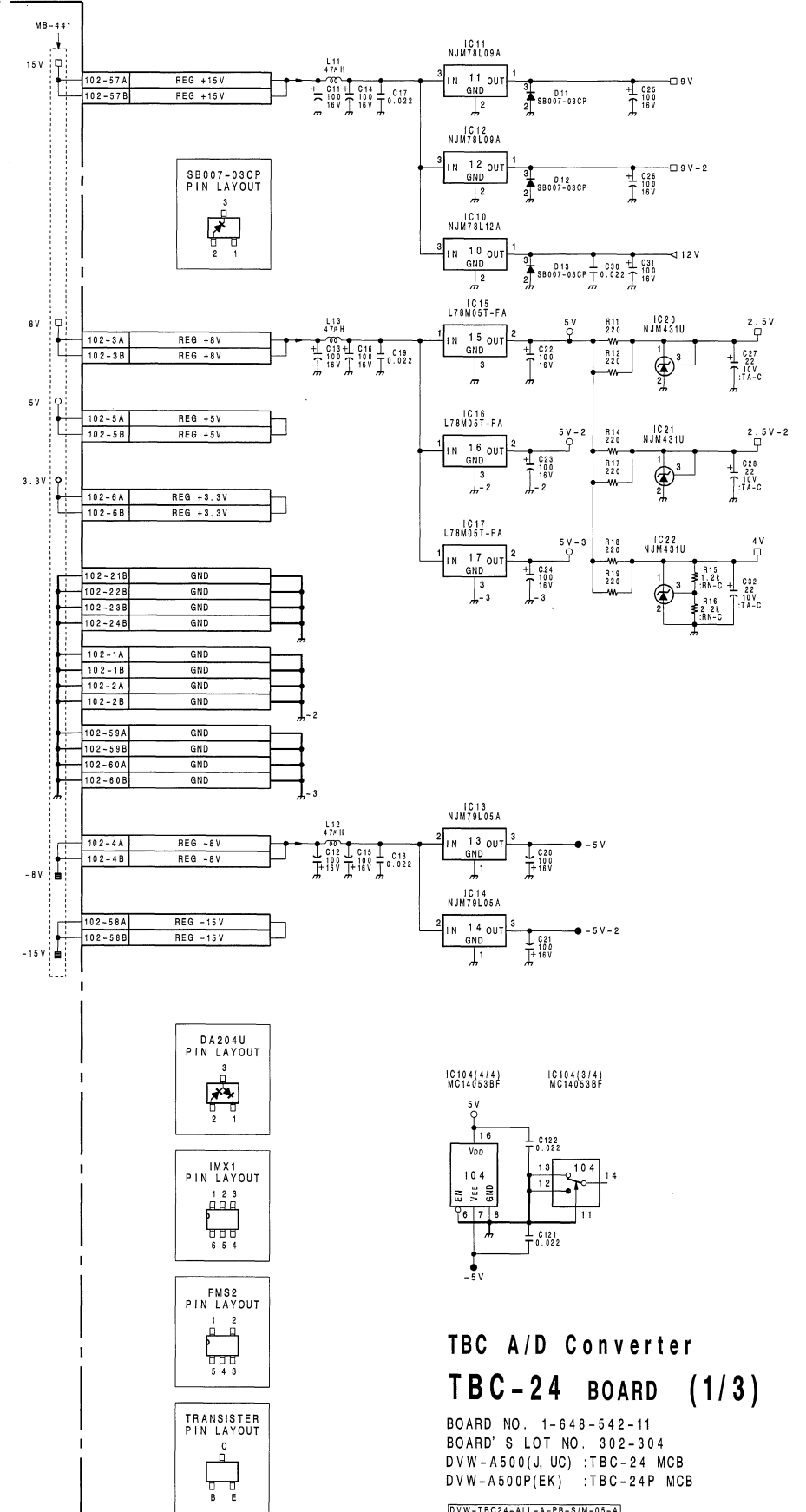
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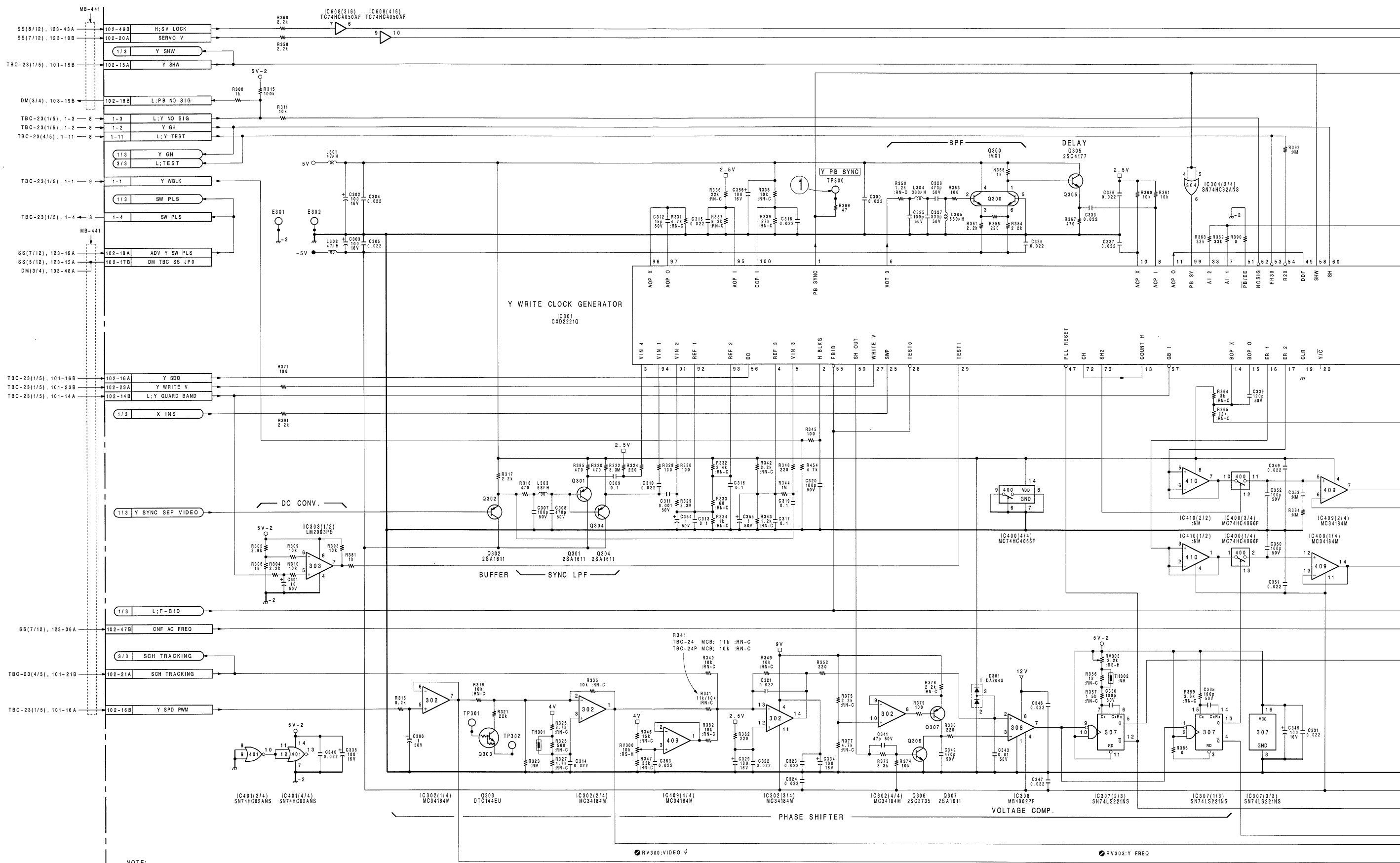
NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



TBC A/D Converter
TBC-24 BOARD (1/3)

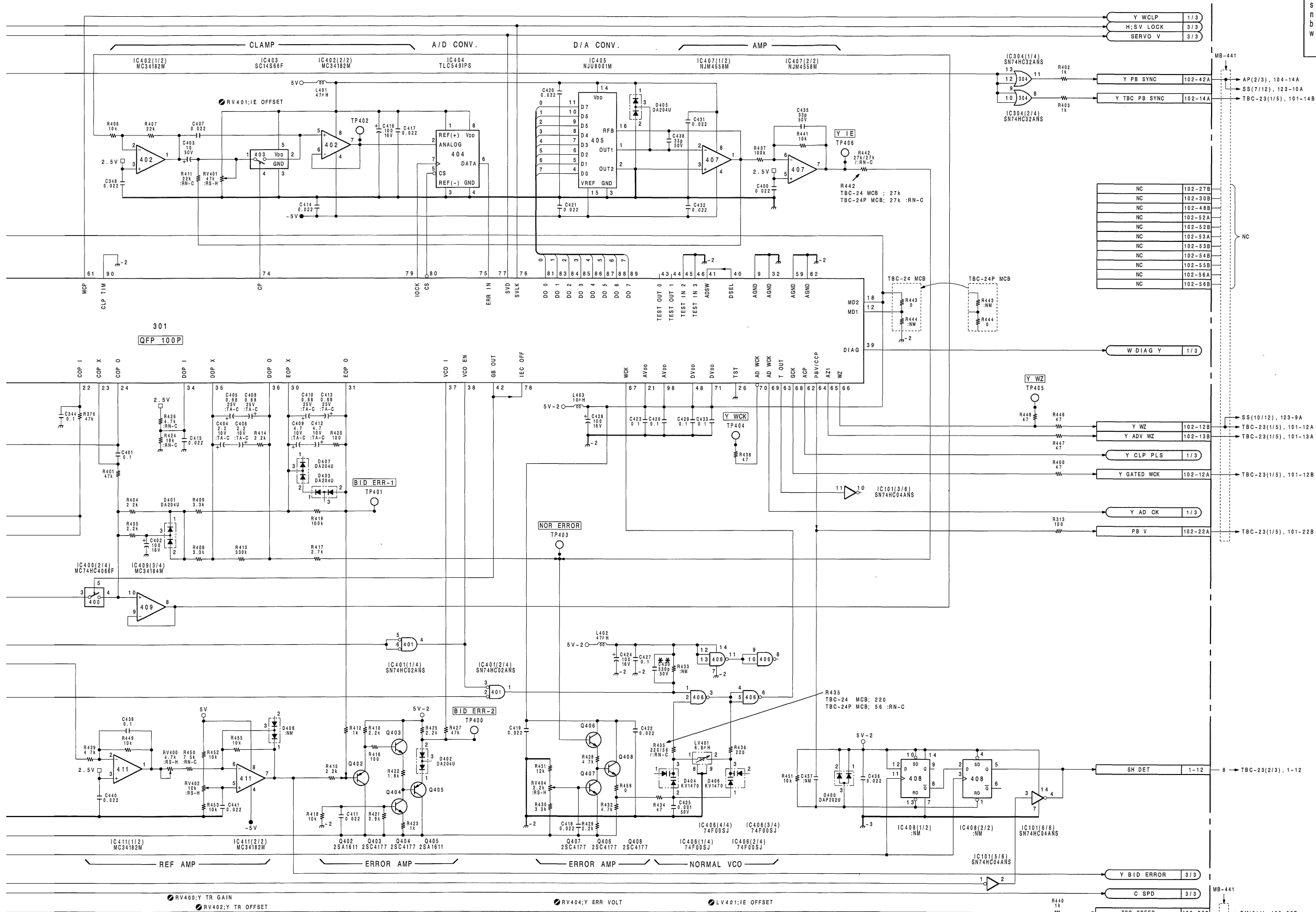
BOARD NO. 1-648-542-11
BOARD' S LOT NO. 302-304
DVW-A500(J, UC) :TBC-24 MCB
DVW-A500P(EK) :TBC-24P MCB

DYW-TBC24-ALL-A-PB-S/M-05-A



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
TBC-24 BOARD: 1-648-542-11



Y Write Clock Generator TBC-24 BOARD (2/3)

BOARD NO. 1-648-542-11
BOARD S LOT NO. 302-304
DVW-A500(J, UC) :TBC-24 MCB
DVW-A500P(EK) :TBC-24P MCB

[DVW-TBC24-ALL-A-PB-S/M-05-A]

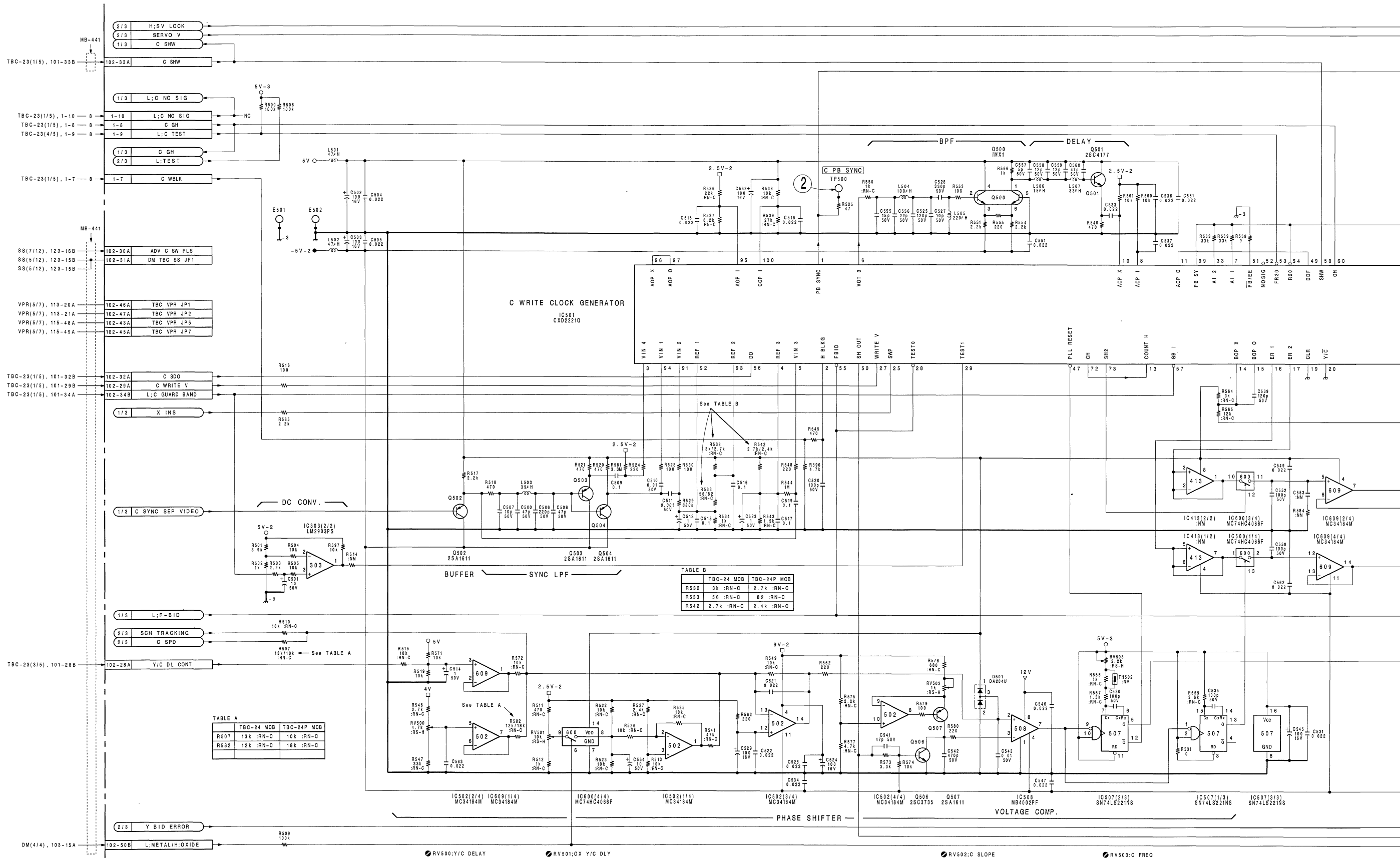
1

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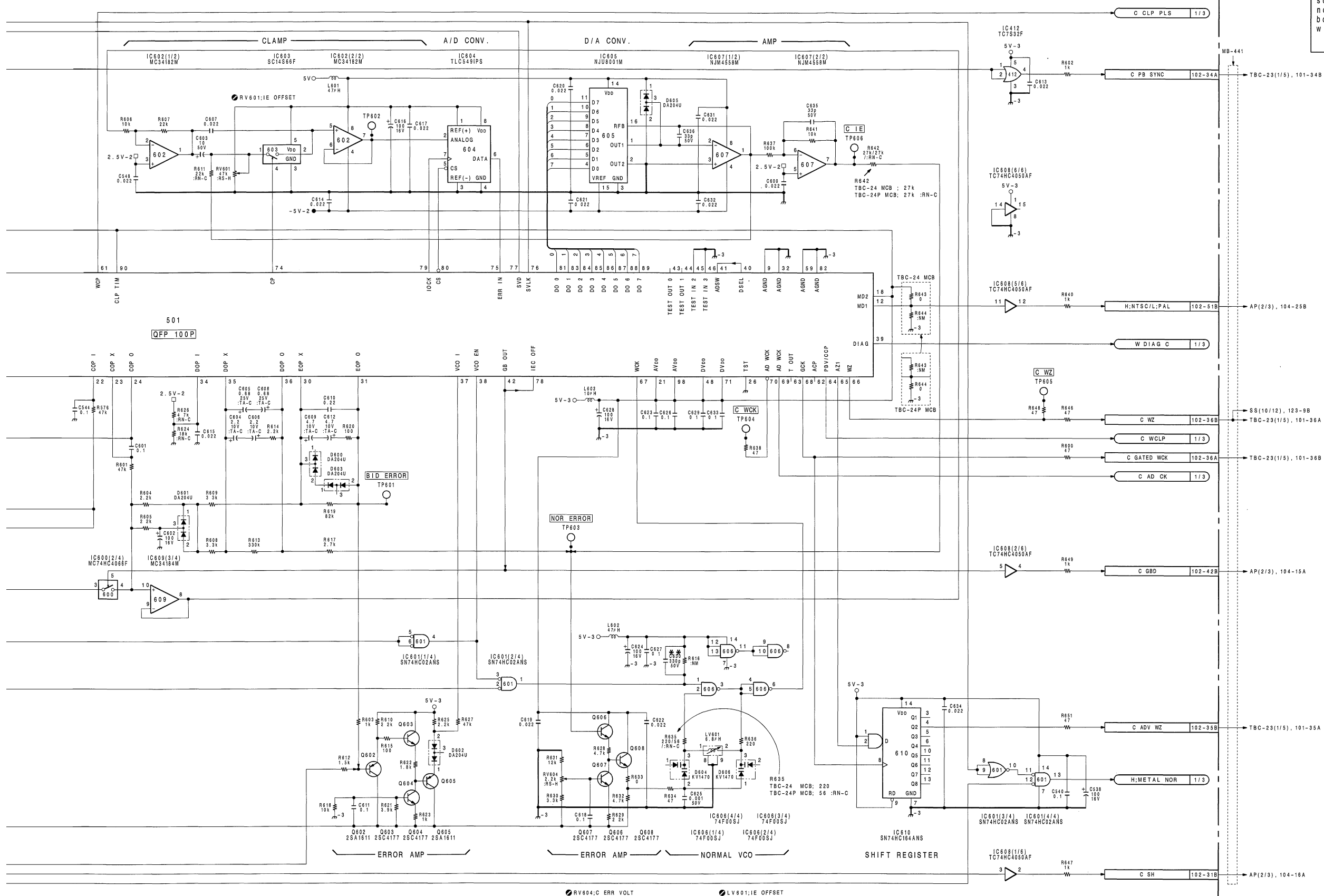
4

5



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

TBC-24 BOARD: 1-648-542-11



C Write Clock Generator TBC-24 BOARD (3/3)

BOARD NO. 1-648-542-11
BOARD'S LOT NO. 302-304
DVW-A500(J, UC) :TBC-24 MCB
DVW-A500P(EK) :TBC-24P MCB

(DVW-TBC24-ALL-A-PB-S/M-05-A)

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A

B

C

1-106 (c)

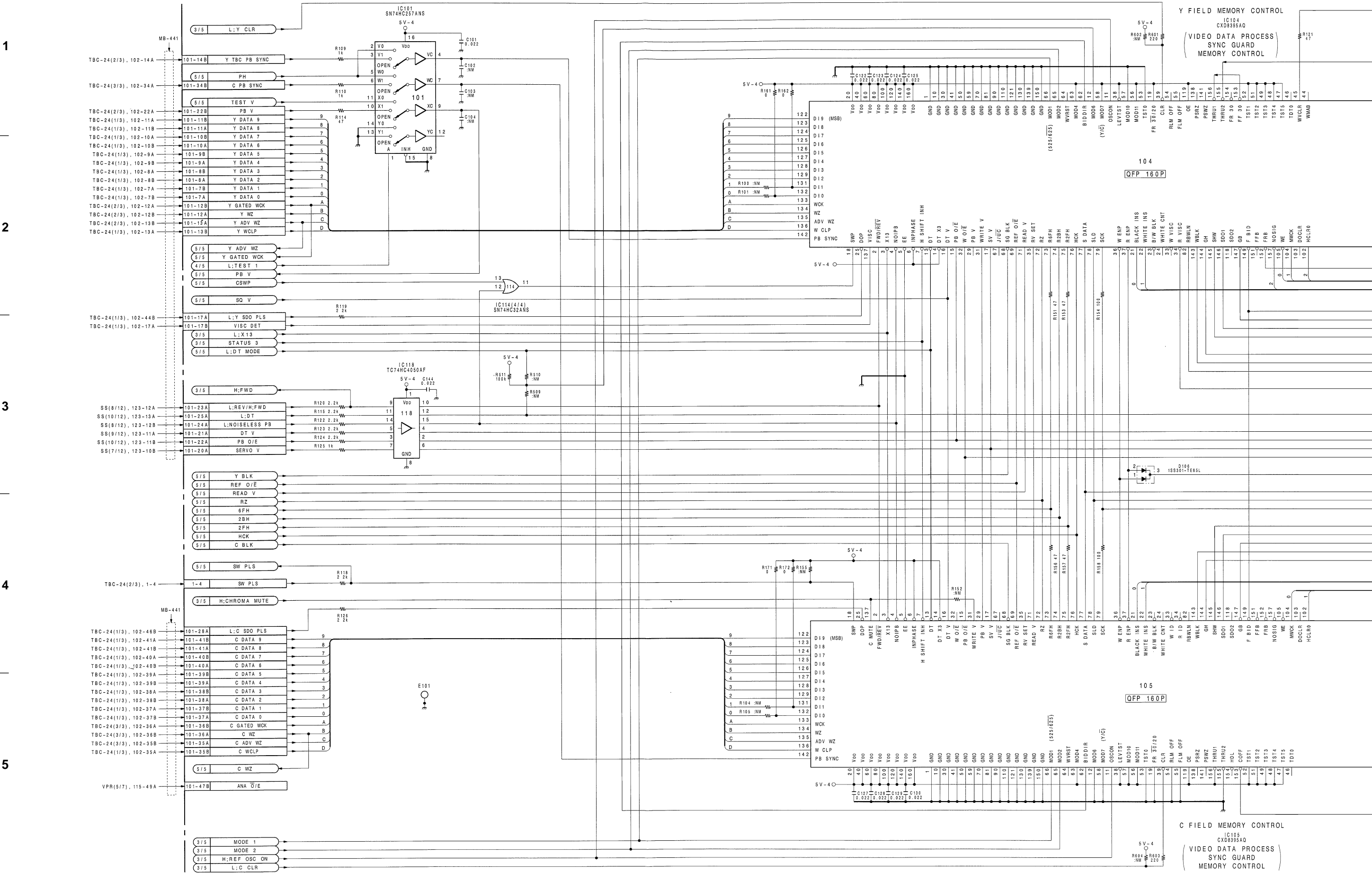
1-106 (c)

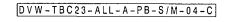
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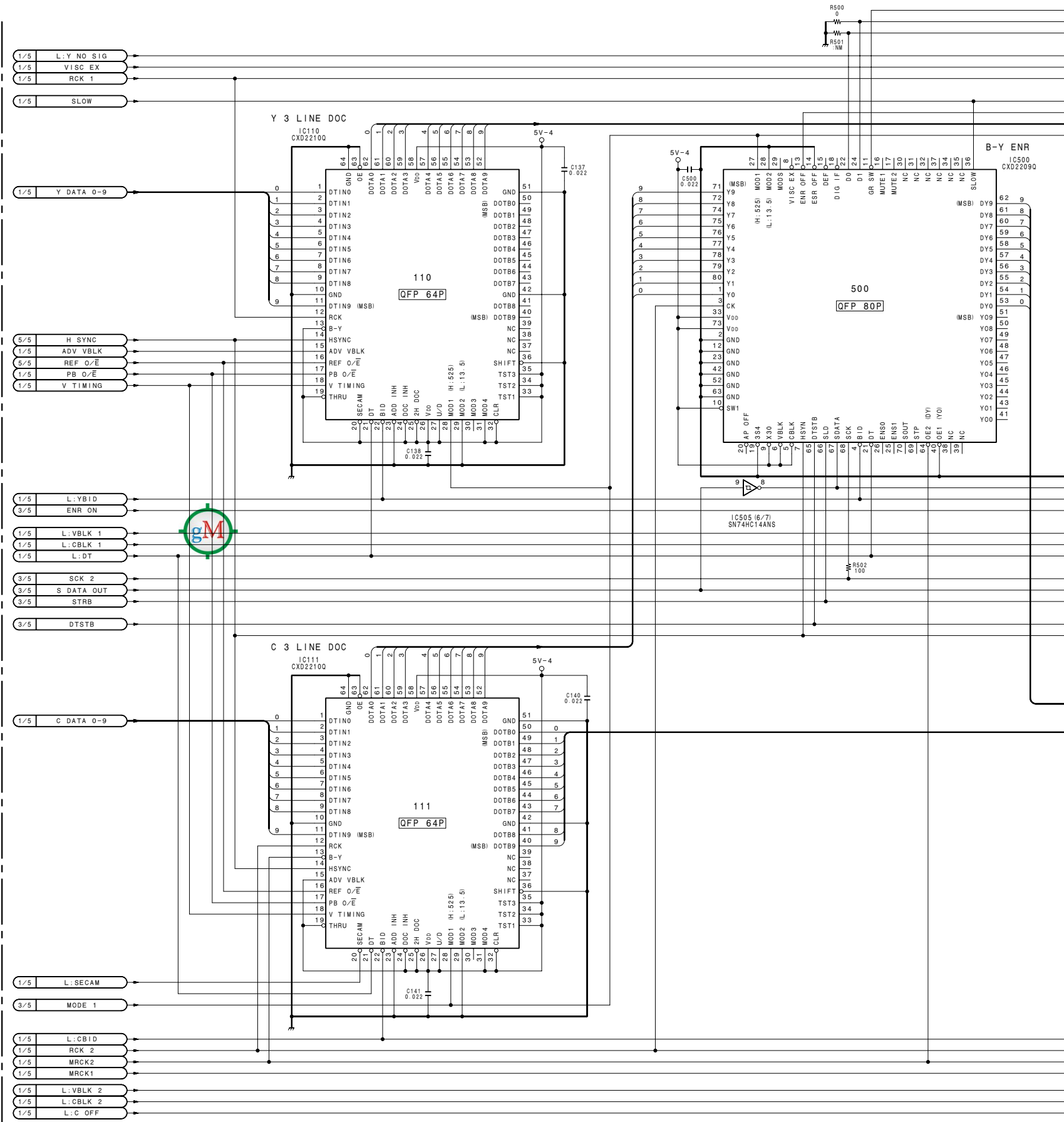
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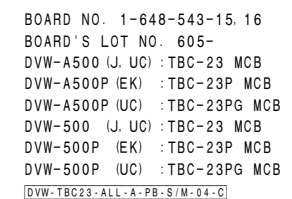
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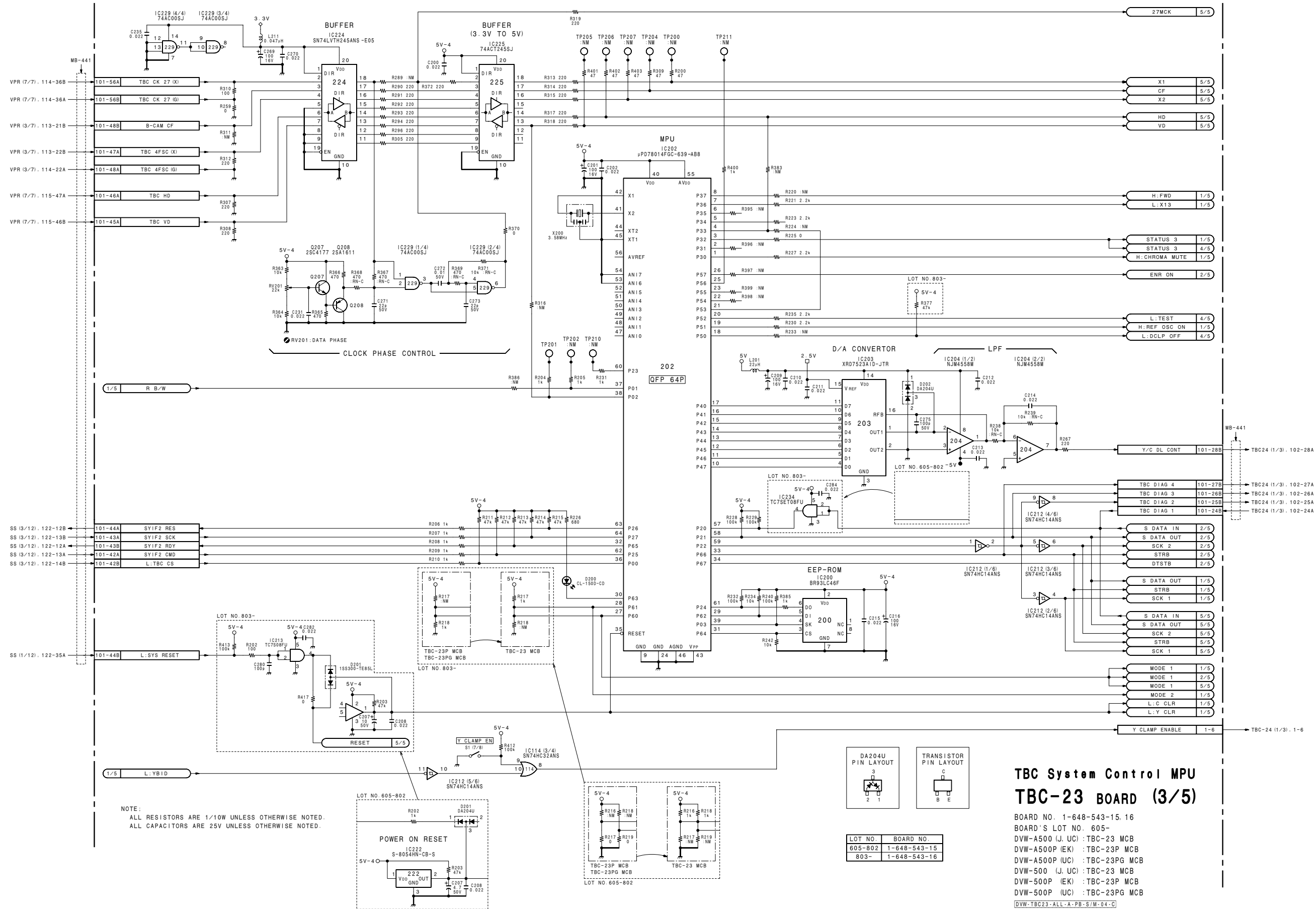
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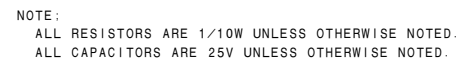


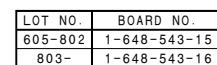




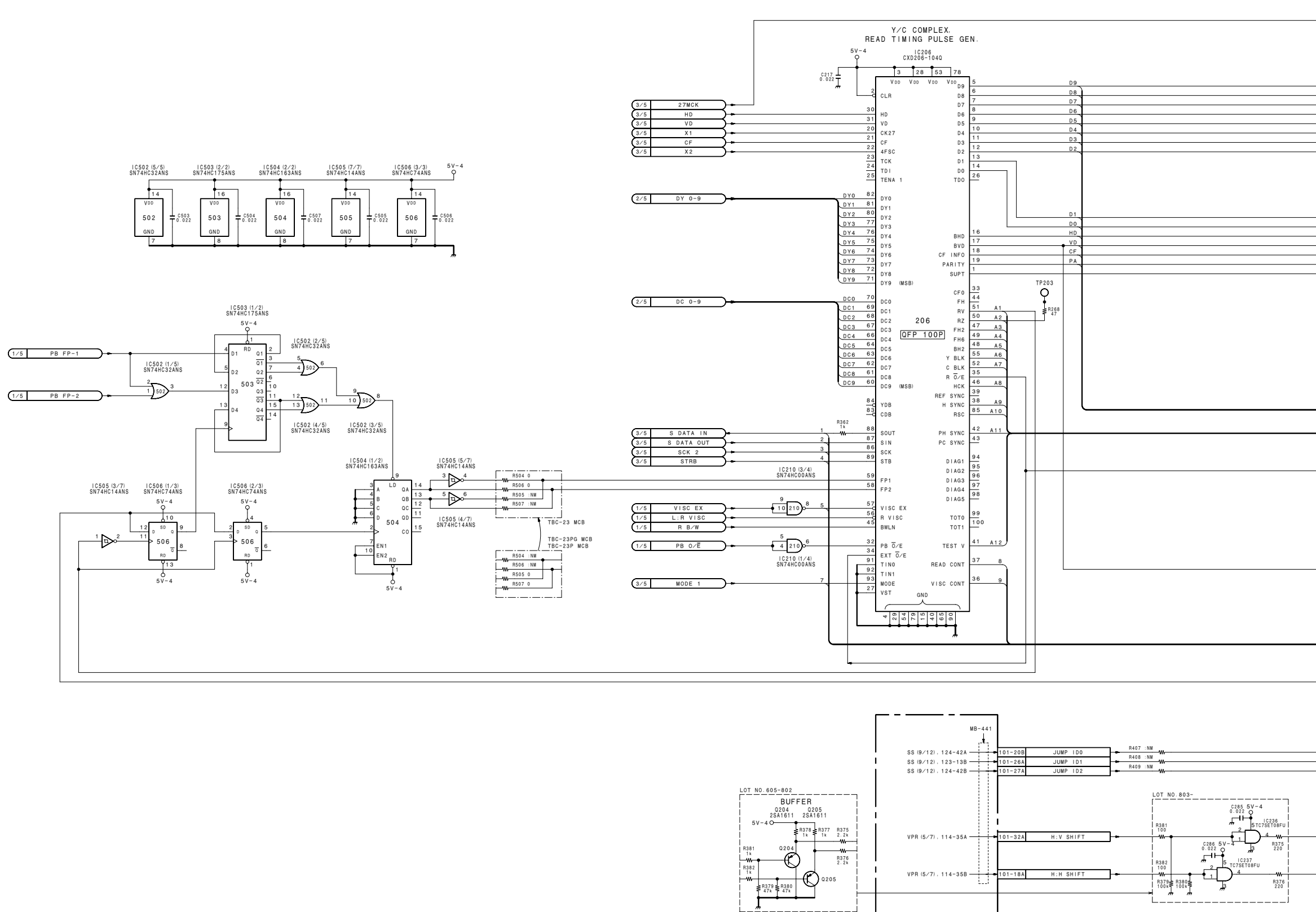


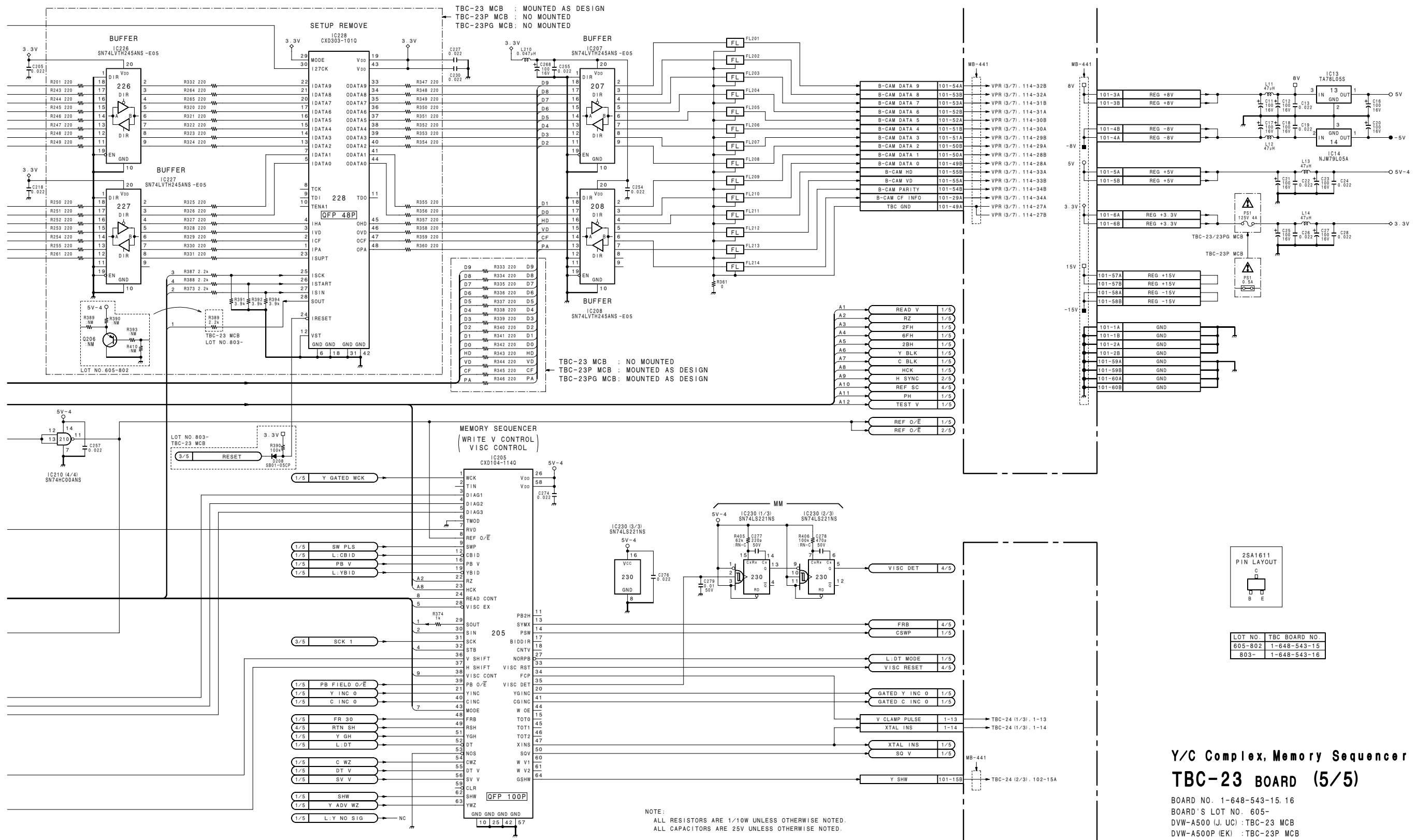


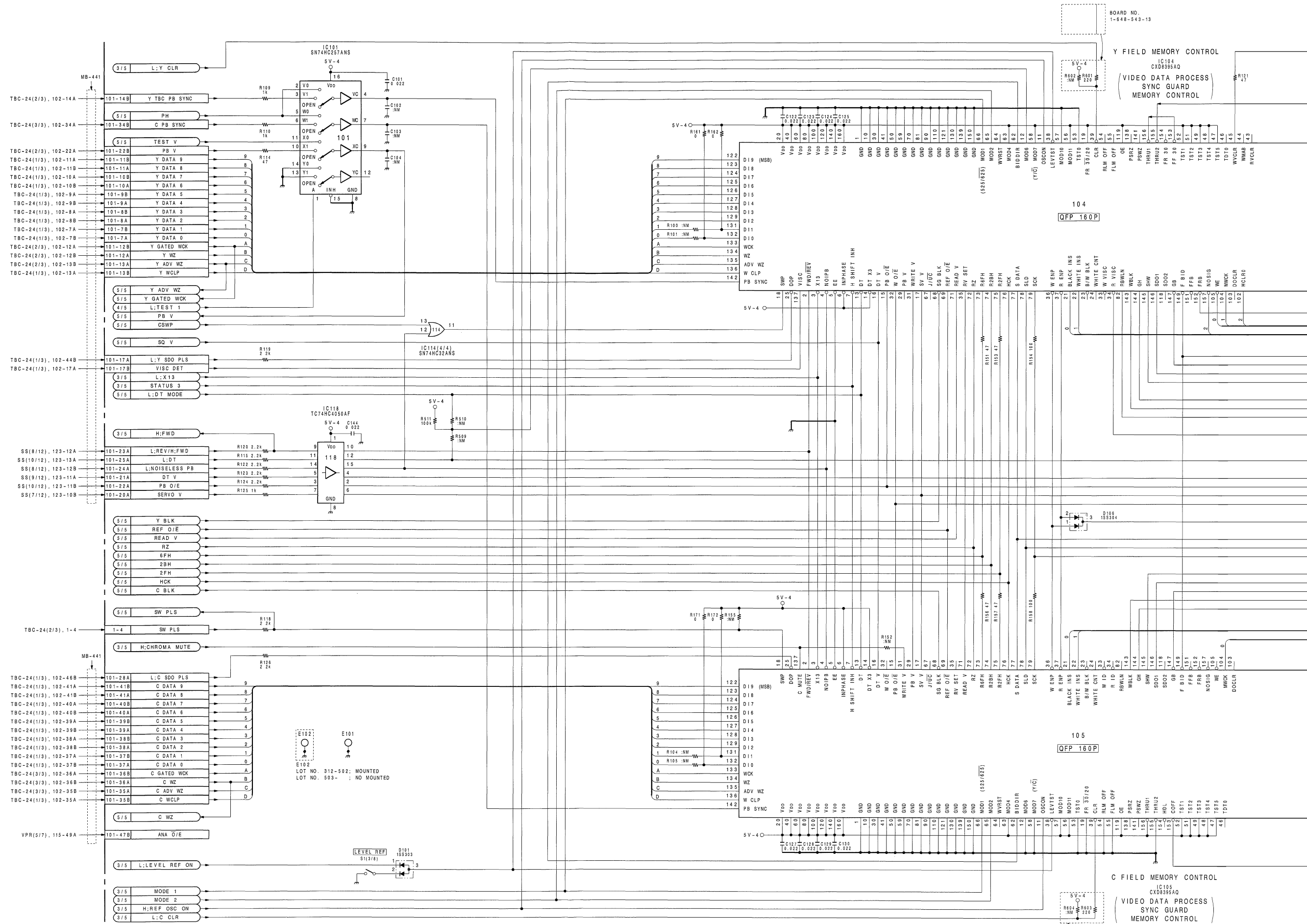


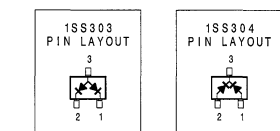
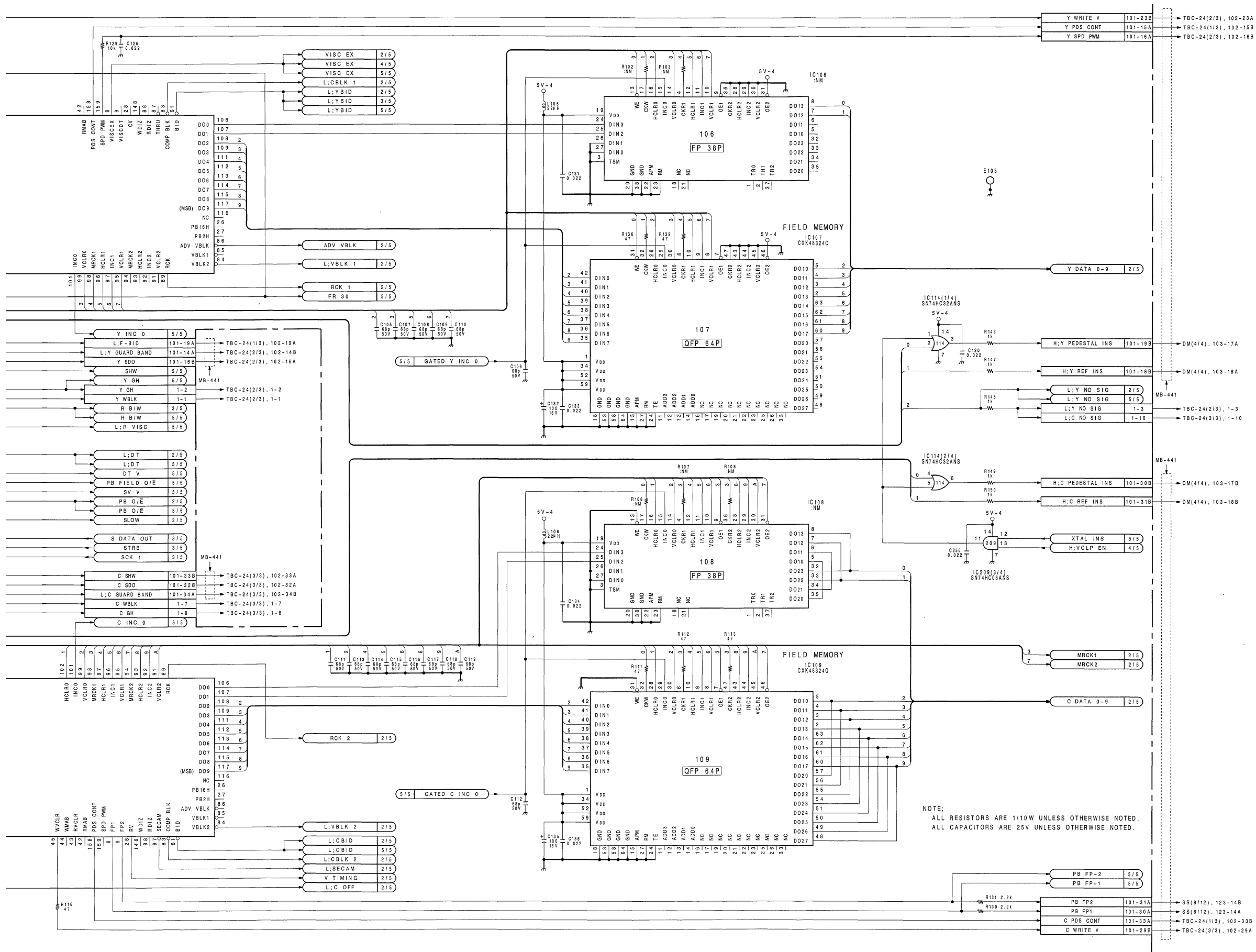


BOARD NO. 1-648-543-15. 16
BOARD'S LOT NO. 605-
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23P MCB
DVW-A500P (UC) :TBC-23PG MCB
DVW-500 (J, UC) :TBC-23 MCB
DVW-500P (EK) :TBC-23P MCB
DVW-500P (UC) :TBC-23PG MCB
[DVW-TBC23-ALL-A-PB-S/M-04-C]









LOT NO.	BOARD NO.
312-412	1-648-543-13
501-603	1-648-543-14

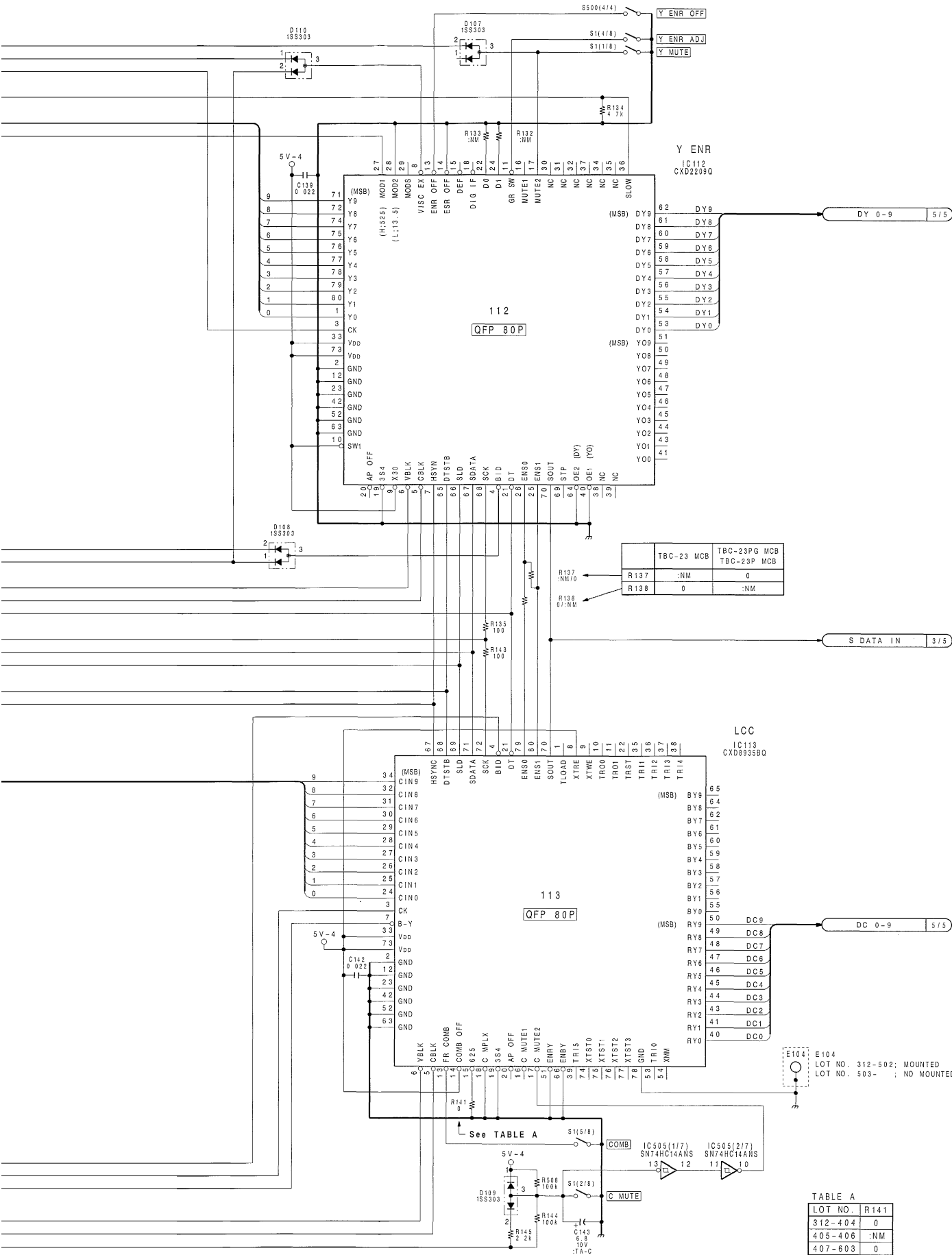
Y/C Data Memory Control, Field Memory

TBC-23 BOARD (1/5)

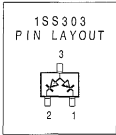
BOARD NO. 1-648-543-13, 14
BOARD'S LOT NO. 312-603
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23PG MCB
DVW-A500P (J, UC) :TBC-23PG MCB
DVW-A510 (J, UC) :TBC-23 MCB
DVW-A510P (EK) :TBC-23PG MCB
DVW-CA510(J, UC) :TBC-23 MCB
DVW-CA510P(EK) :TBC-23PG MCB

©VW-TBC23-ALL-A-PB-S/M-04-8





NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED

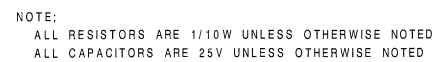


LOT NO.	BOARD NO.
312-412	1-648-543-13
501-603	1-648-543-14

TBC Sequence
TBC-23 BOARD (2/5)

BOARD NO. 1-648-543-13, 14
BOARD' S LOT NO. 312-603
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23P MCB
DVW-A500P (UC) :TBC-23PG MCB
DVW-A510 (J, UC) :TBC-23 MCB
DVW-A510P (EK) :TBC-23P MCB
DVW-CA510(J, UC) :TBC-23 MCB
DVW-CA510P(EK) :TBC-23P MCB

[DVW-TBC23-ALL-A-PB-S/M-04-B]



BOARD NO. 1-648-543-13, 14
BOARD' S LOT NO. 312-603
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23P MCB
DVW-A500P (UC) :TBC-23PG MCB
DVW-A510 (J, UC) :TBC-23 MCB
DVW-A510P (EK) :TBC-23P MCB
DVW-CA510(J, UC) :TBC-23 MCB
DVW-CA510P(EK) :TBC-23P MCB

LOT NO.	BOARD NO.
312-412	1-648-543-13
501-603	1-648-543-14

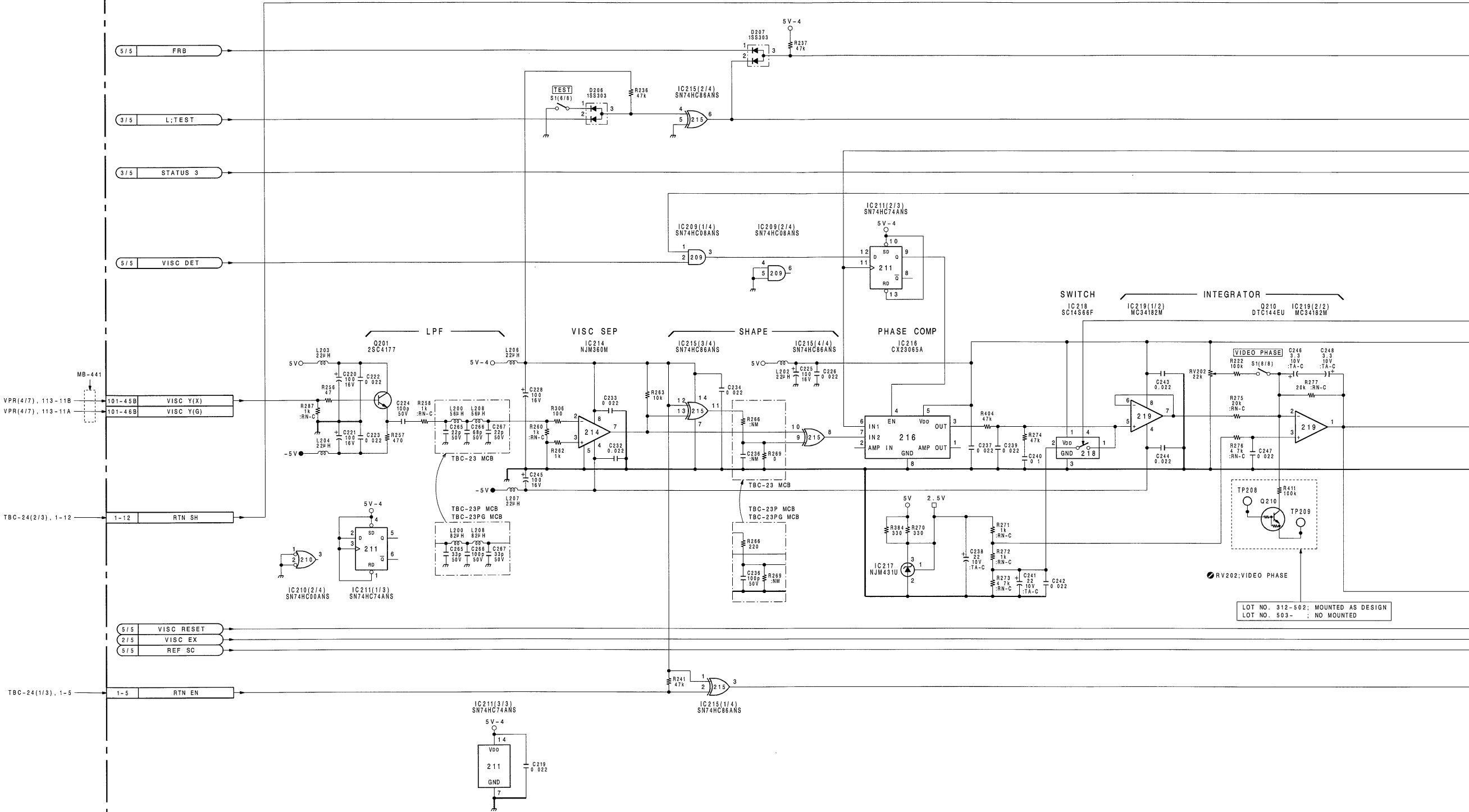
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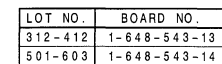
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5



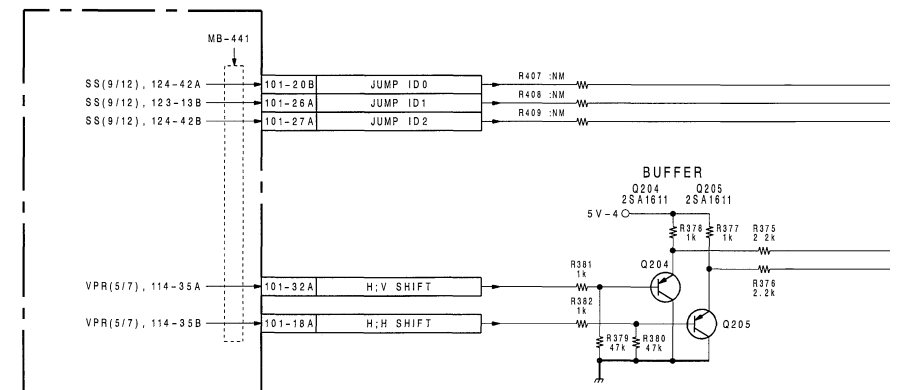
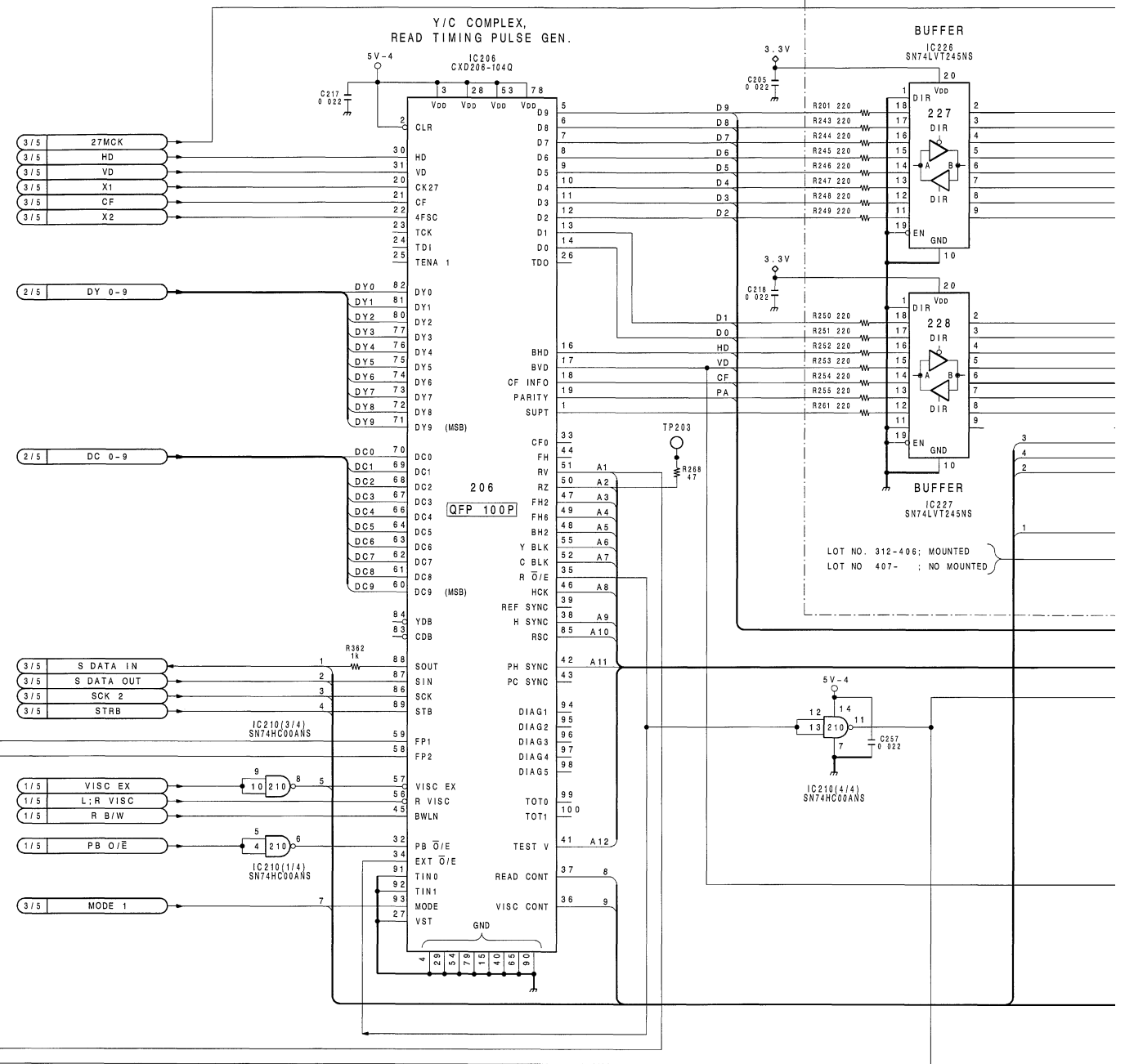
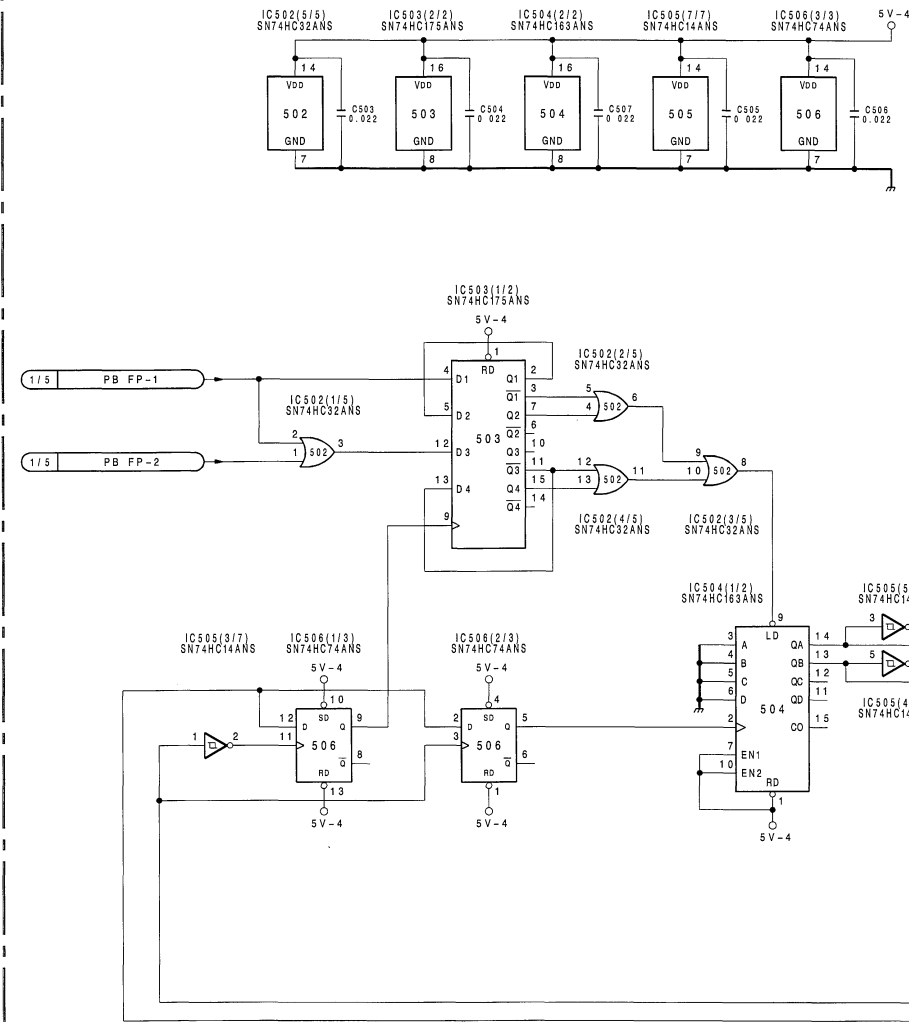
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

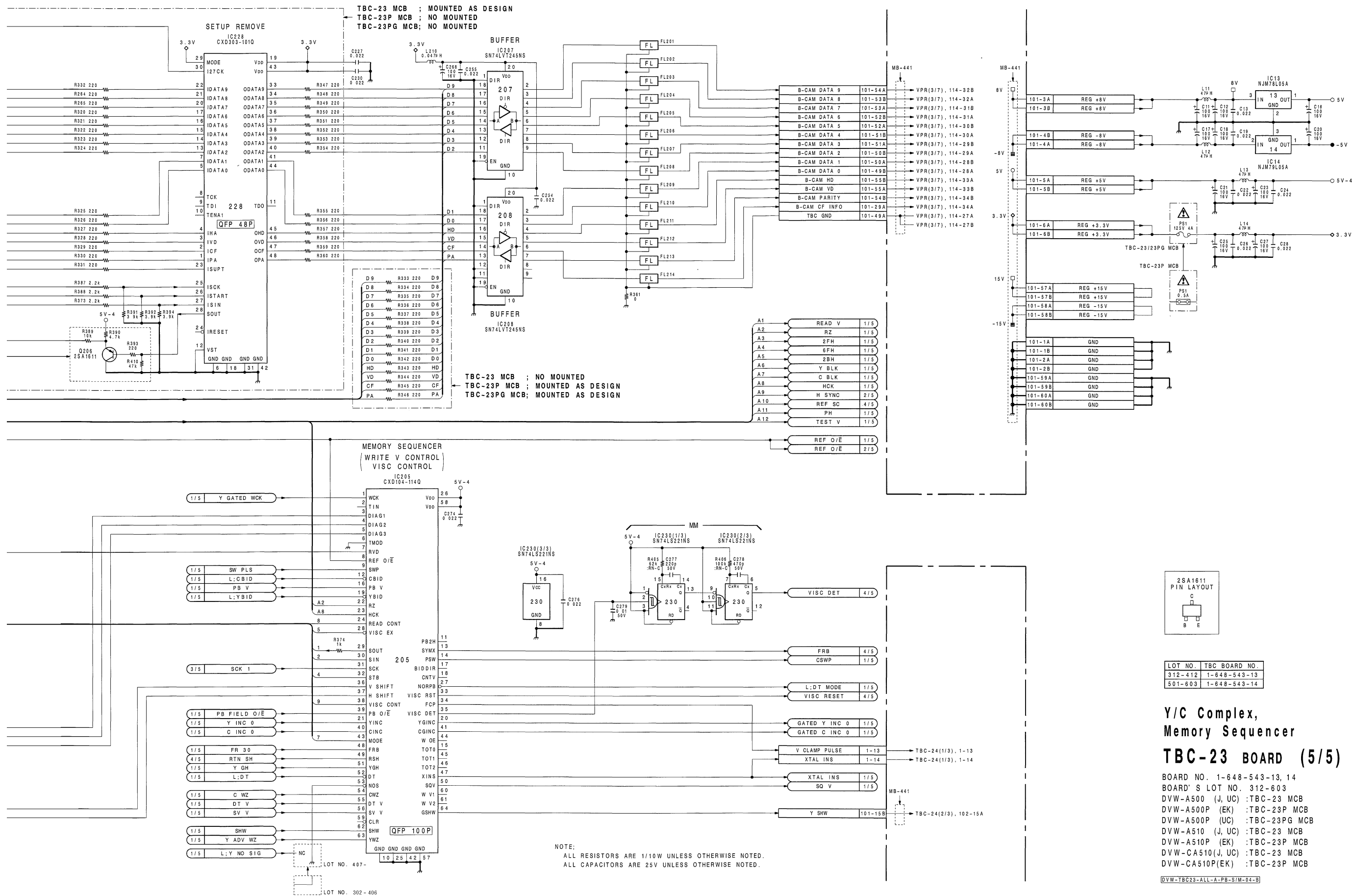


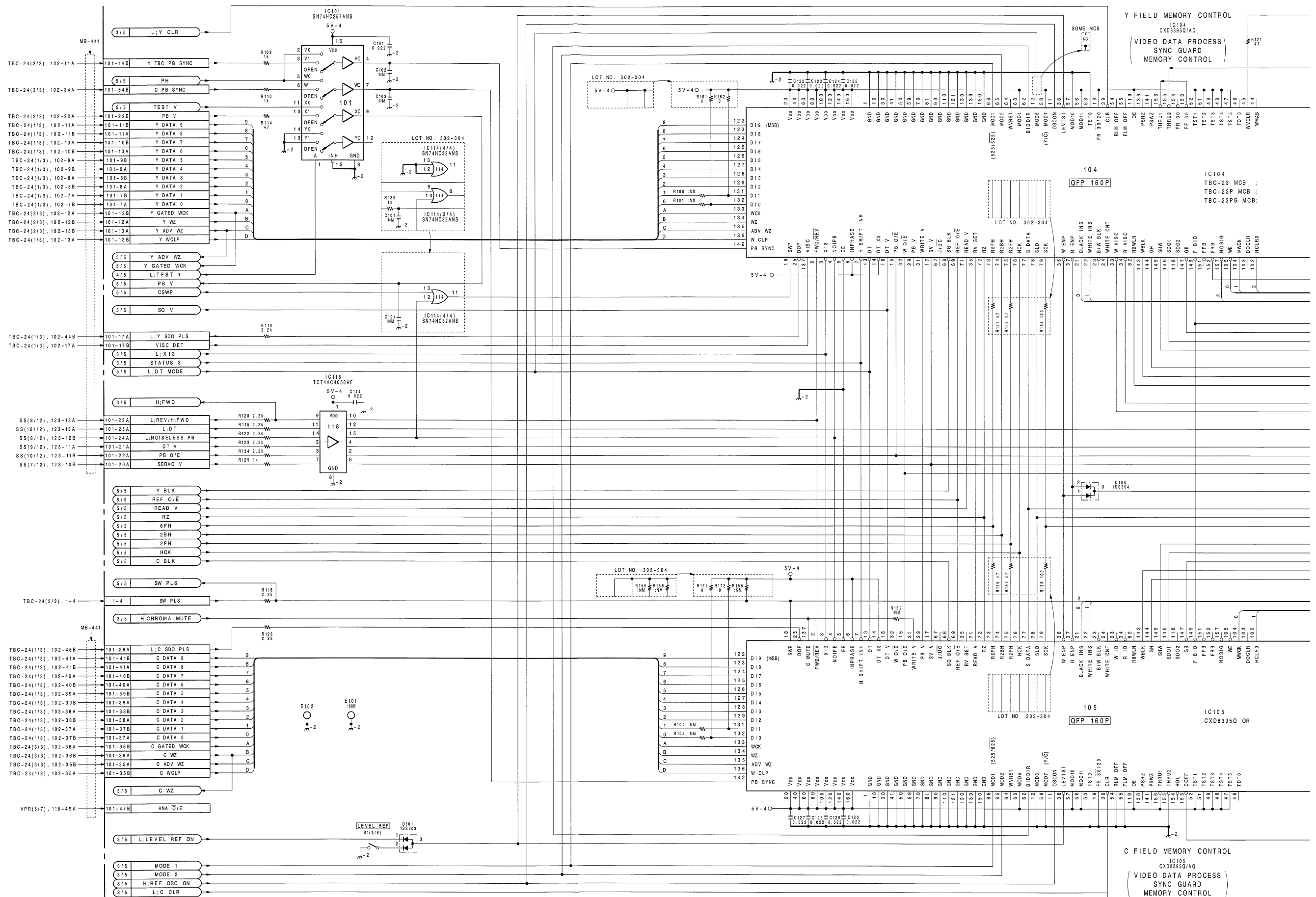
VISC Phase Detector
TBC-23 BOARD (4/5)

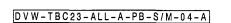
BOARD NO. 1-648-543-13, 14
BOARD' S LOT NO. 312-603
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23P MCB
DVW-A500P (UC) :TBC-23PG MCB
DVW-A510 (J, UC) :TBC-23 MCB
DVW-A510P (EK) :TBC-23P MCB
DVW-CA510(J, UC) :TBC-23 MCB
DVW-CA510P(EK) :TBC-23P MCB

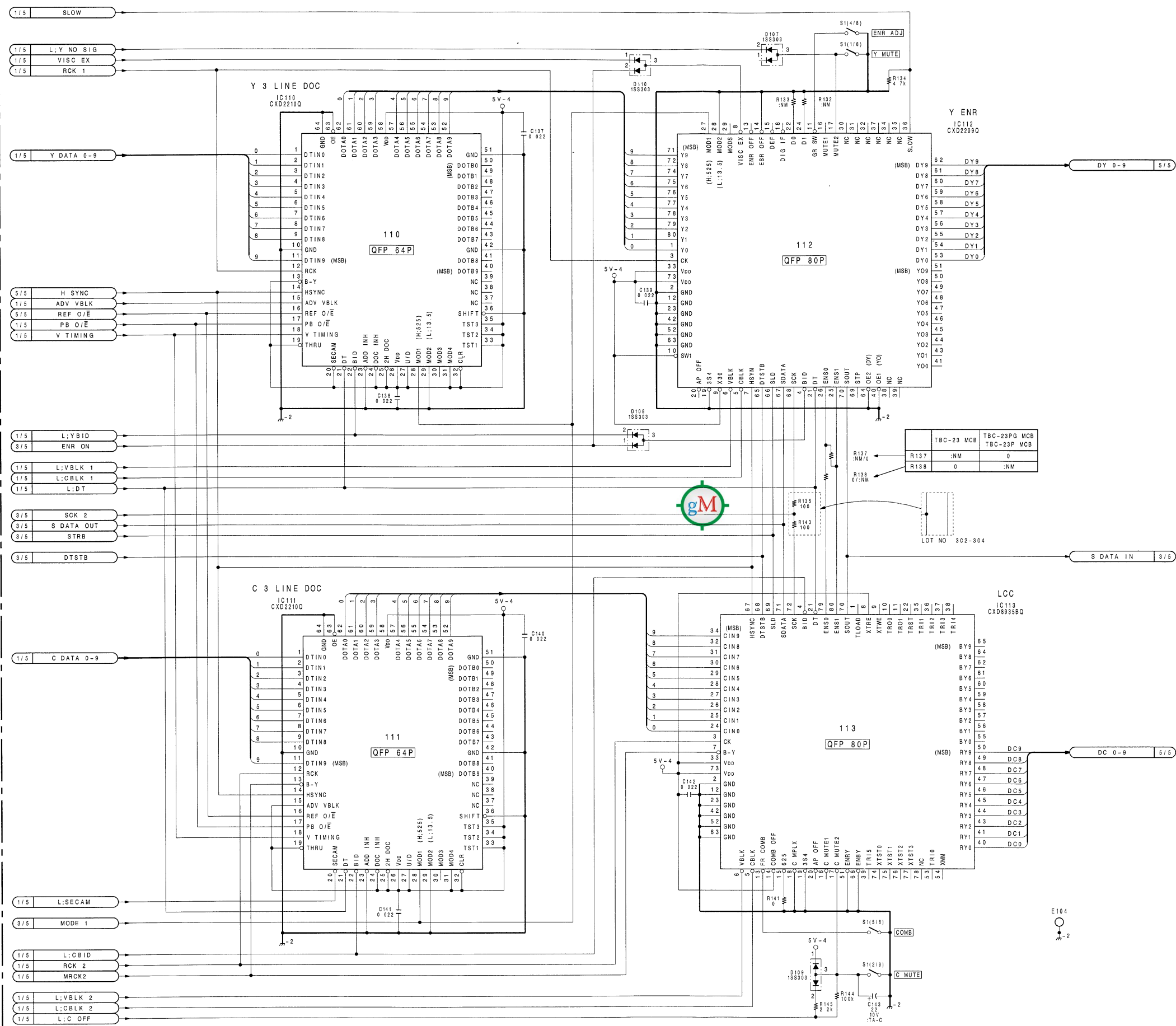
DVW-TBC23-ALL-A-PB-S/M-04-B



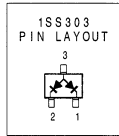








NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



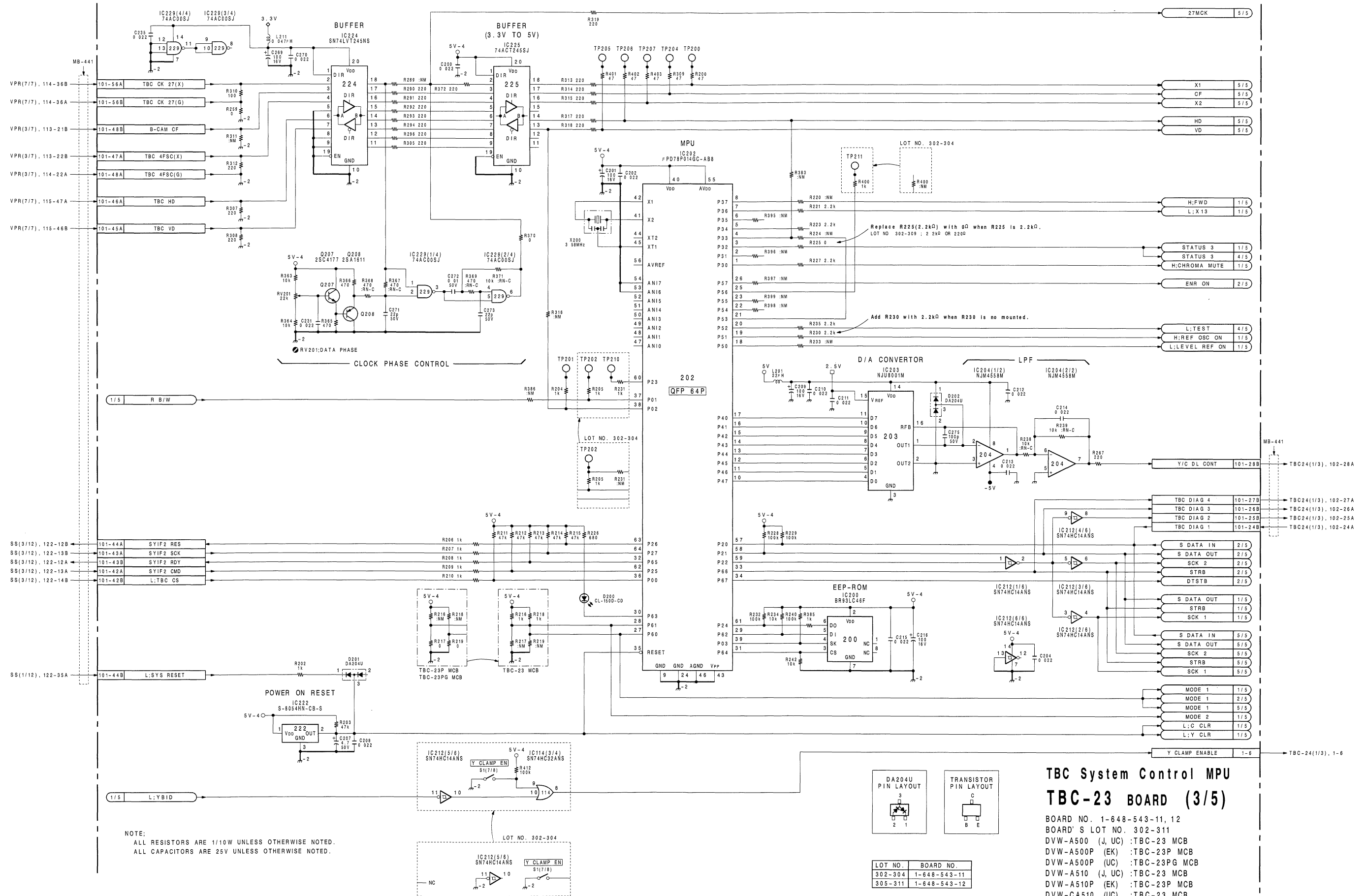
LOT NO.	BOARD NO.
302-304	1-648-543-11
305-311	1-648-543-12

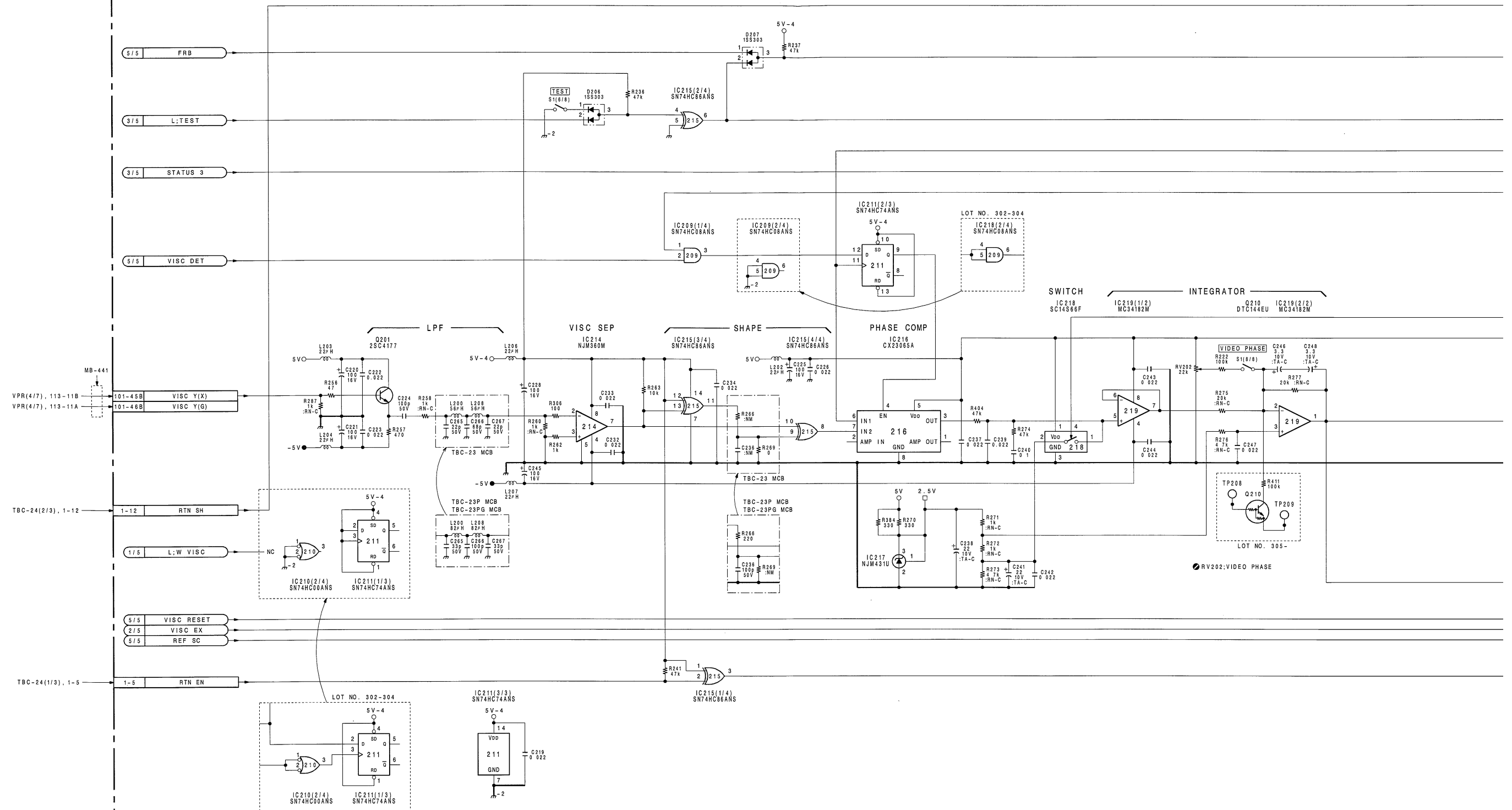
TBC Sequence

TBC-23 BOARD (2/5)

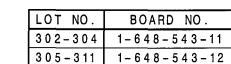
BOARD NO. 1-648-543-11, 12
BOARD'S LOT NO. 302-311
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23P MCB
DVW-A500P (UC) :TBC-23PG MCB
DVW-A510 (J, UC) :TBC-23 MCB
DVW-A510P (EK) :TBC-23P MCB
DVW-CA510 (UC) :TBC-23 MCB
DVW-CA510P(EK) :TBC-23P MCB

DVW-TBC23-ALL-A-PB-SYM-04-A



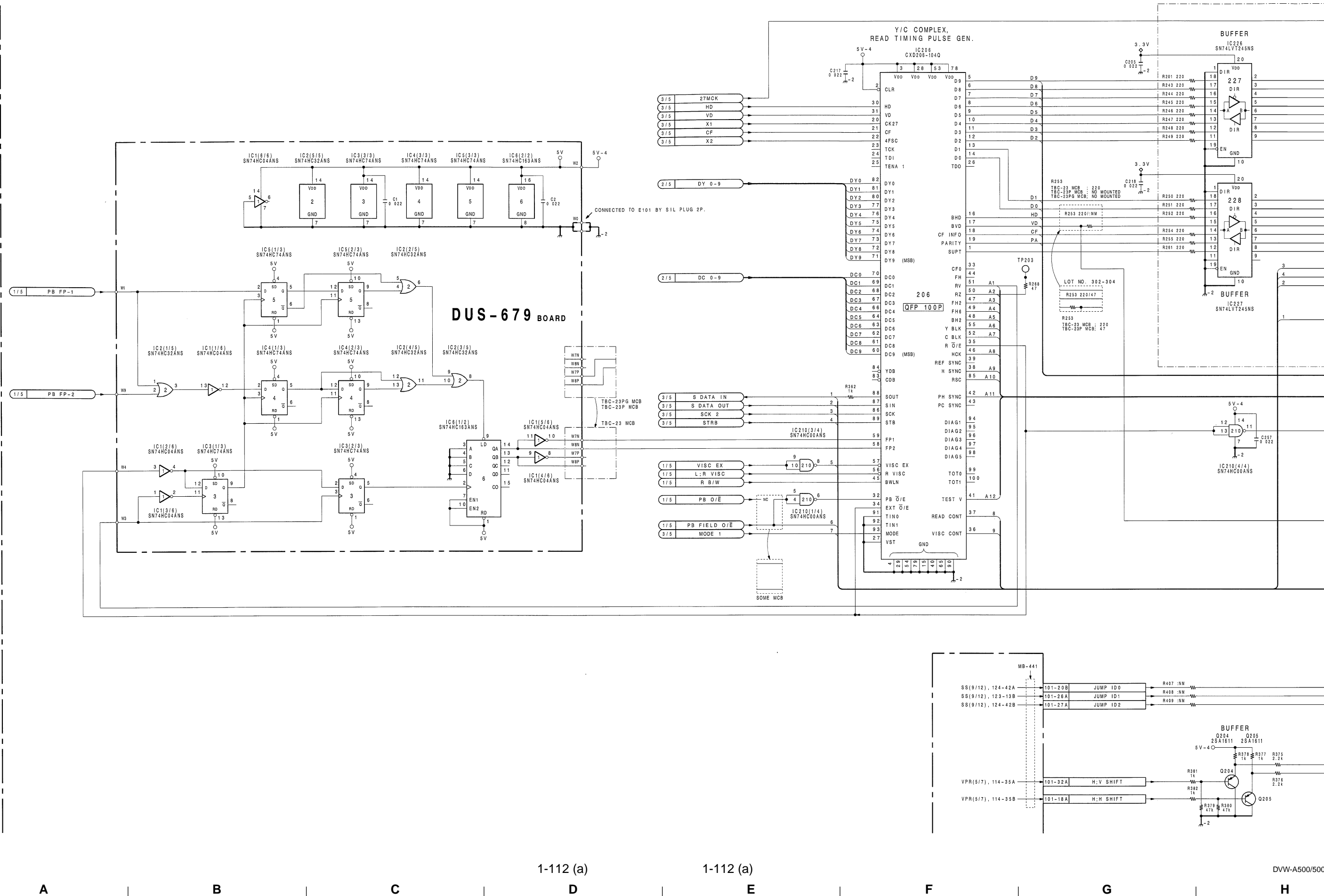


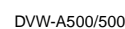
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

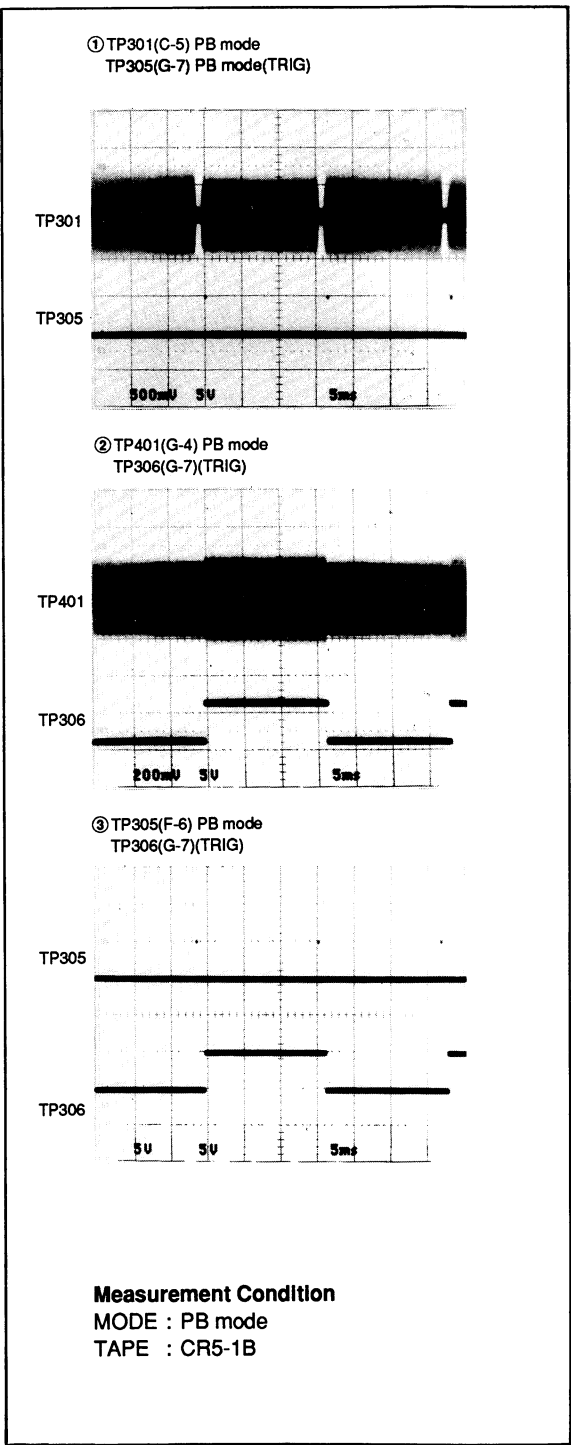
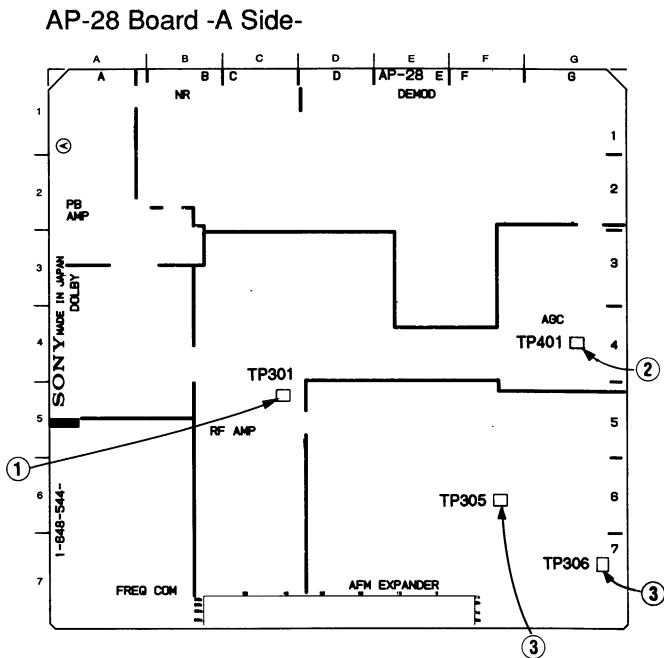


BOARD NO. 1-648-543-11, 12
BOARD'S LOT NO. 302-311
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23P MCB
DVW-A500P (UC) :TBC-23PG MCB
DVW-A510 (J, UC) :TBC-23 MCB
DVW-A510P (EK) :TBC-23P MCB
DVW-CA510 (UC) :TBC-23 MCB
DVW-CA510P(EK) :TBC-23P MCB

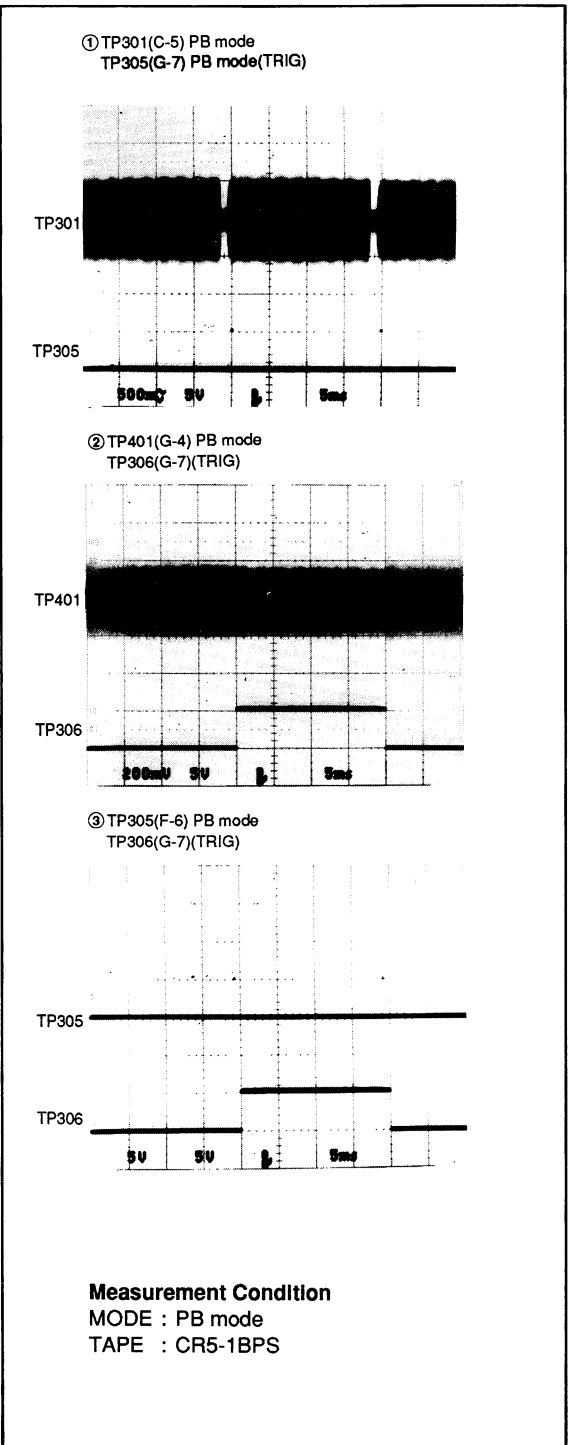
DVW-TBC23-ALL-A-PB-S/M-04-A



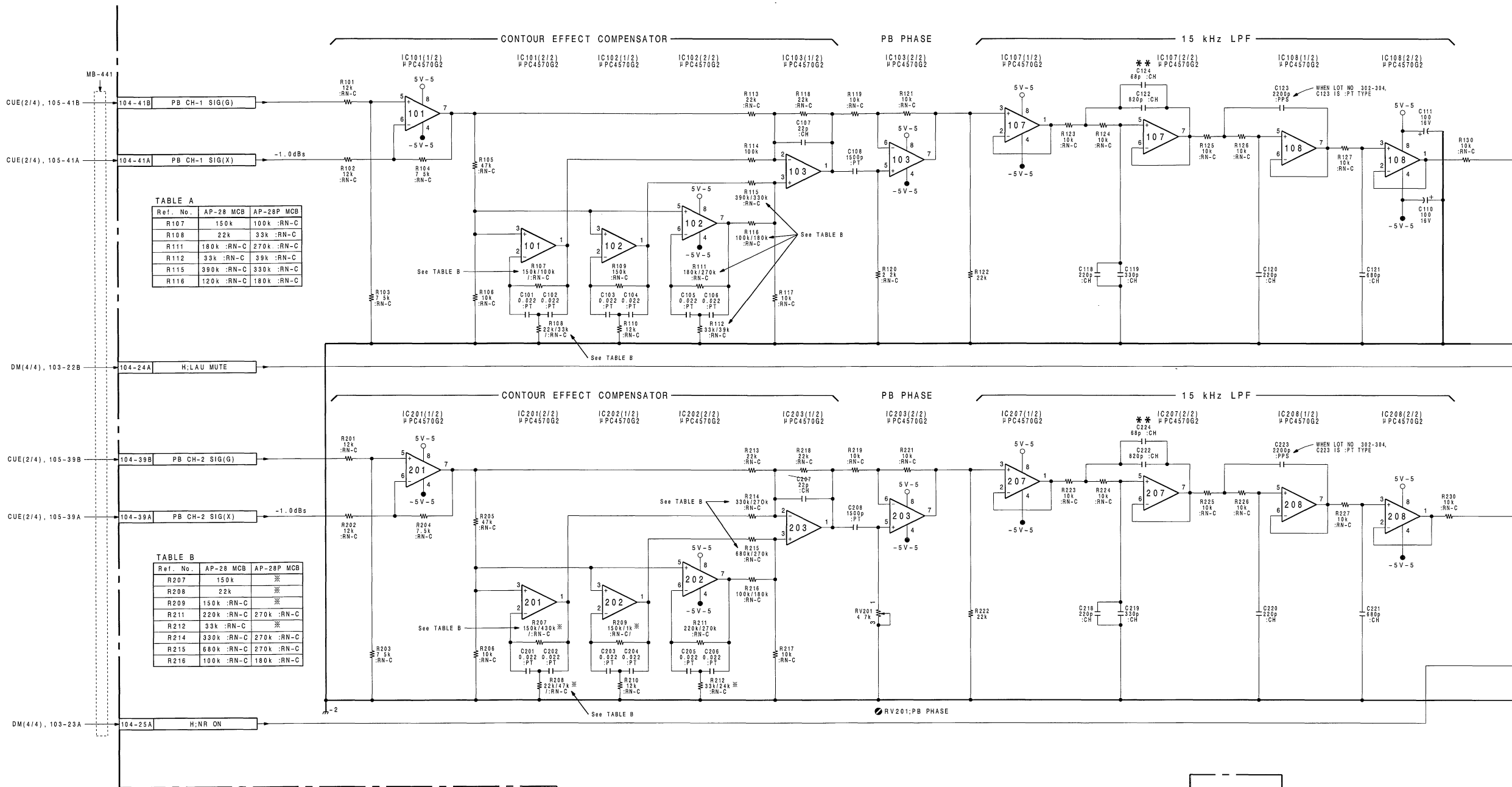




For DVW-A500/A510/CA510



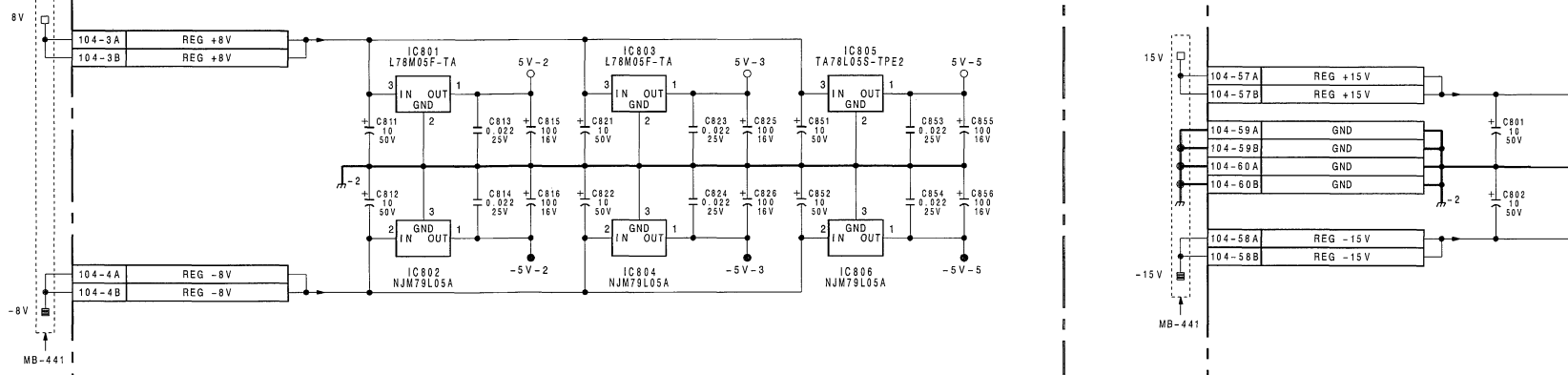
For DVW-A500P/A510P/CA510P



※ PART CHANGE INFORMATION

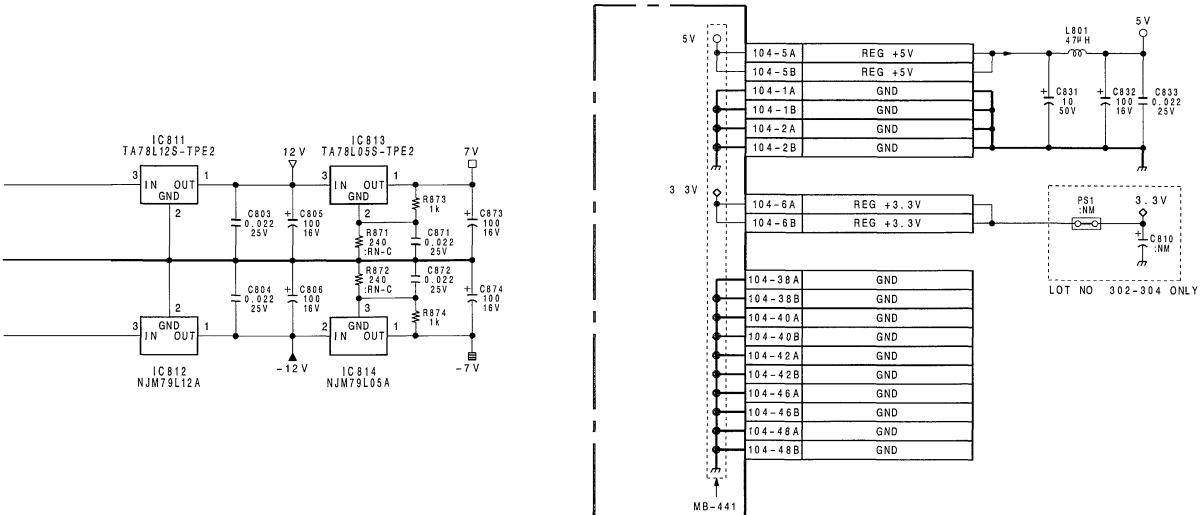
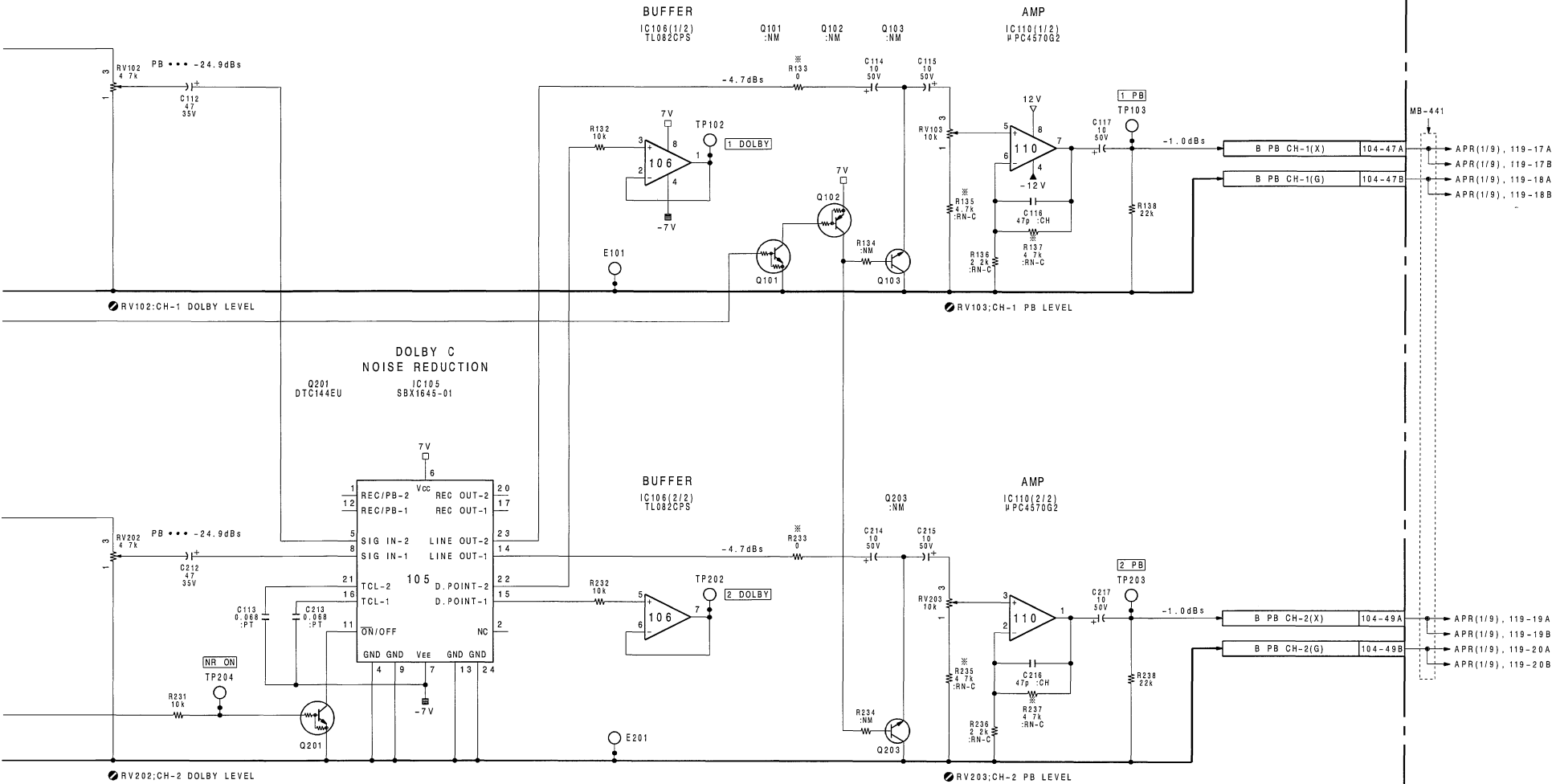
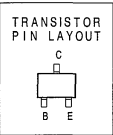
Part change information	Change	Repair part for Old part	Simultaneously change part
Ref. No.	Old	New	LOT No.
D-3	R207 330k :RN-C	430k :RN-C	311
D-4	R208 22k	47k :RN-C	311
D-3	R209 150k :RN-C	1k	311
E-4	R212 22k :RN-C	24k :RN-C	311
K-1	R133 4.7k	0	311
L-2	R135 10k :RN-C	4.7k :RN-C	311
L-2	R137 3.3k :RN-C	4.7k :RN-C	311
K-3	R233 4.7k :RN-C	0	311
L-3	R235 10k :RN-C	4.7k :RN-C	311
L-4	R237 3.3k :RN-C	4.7k :RN-C	311

FOR AP-28P ONLY



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
AP-28 BOARD: 1-648-544-11



LOT NO.	BOARD NO.
302-304	1-648-544-11
305-312	1-648-544-12
401-	1-648-544-13

Betacam PB LAU Process
AP-28 BOARD (1/3)

BOARD NO. 1-648-544-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : AP-28 MCB
DVW-A500P (EK) : AP-28P MCB
DVW-A500P (UC) : AP-28P MCB
DVW-A510 (J, UC) : AP-28 MCB
DVW-A510P (EK) : AP-28P MCB
DVW-CA510(J, UC) : AP-28 MCB
DVW-CA510P(EK) : AP-28P MCB

DVW-AP28-ALL-A-PB-S/M-04

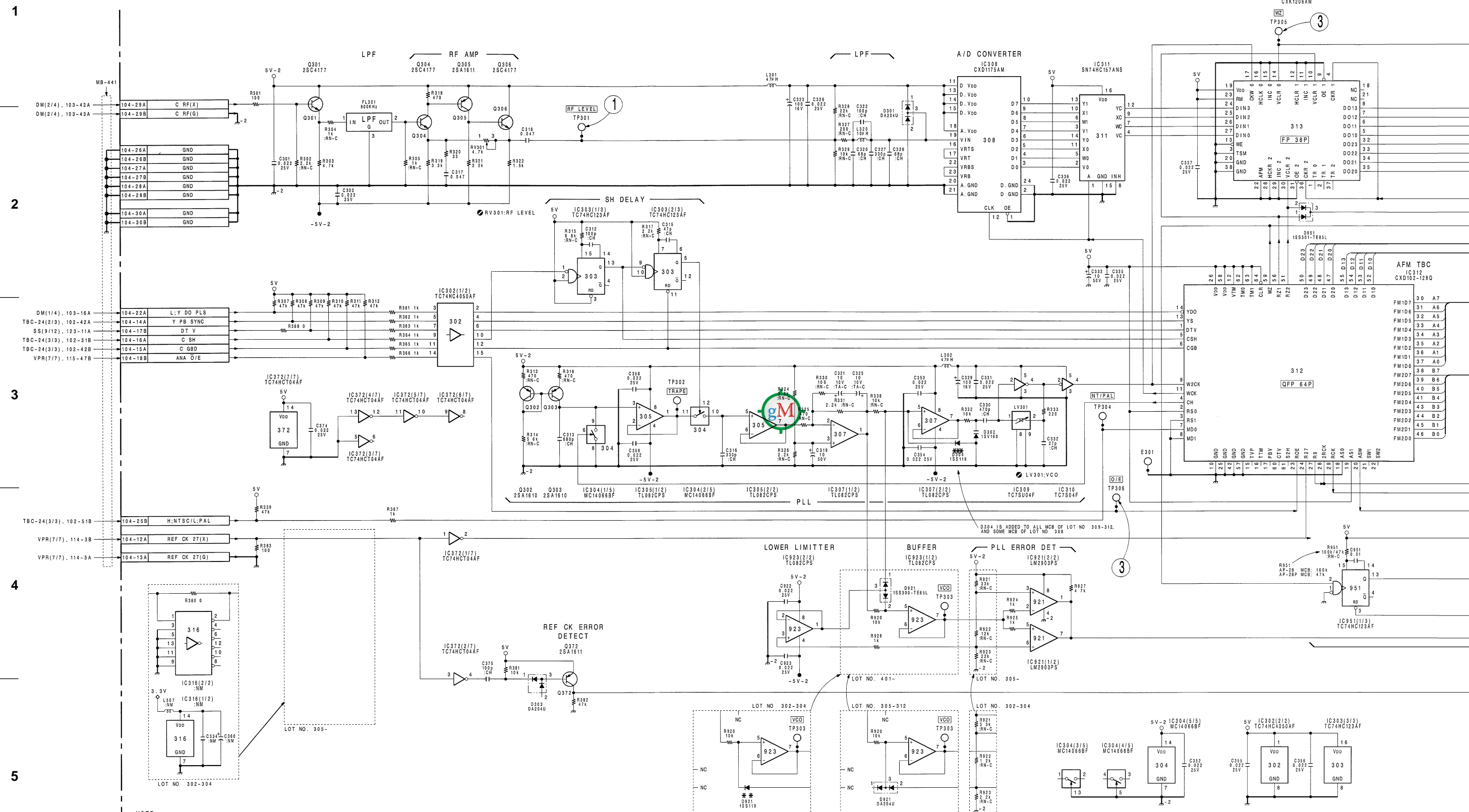
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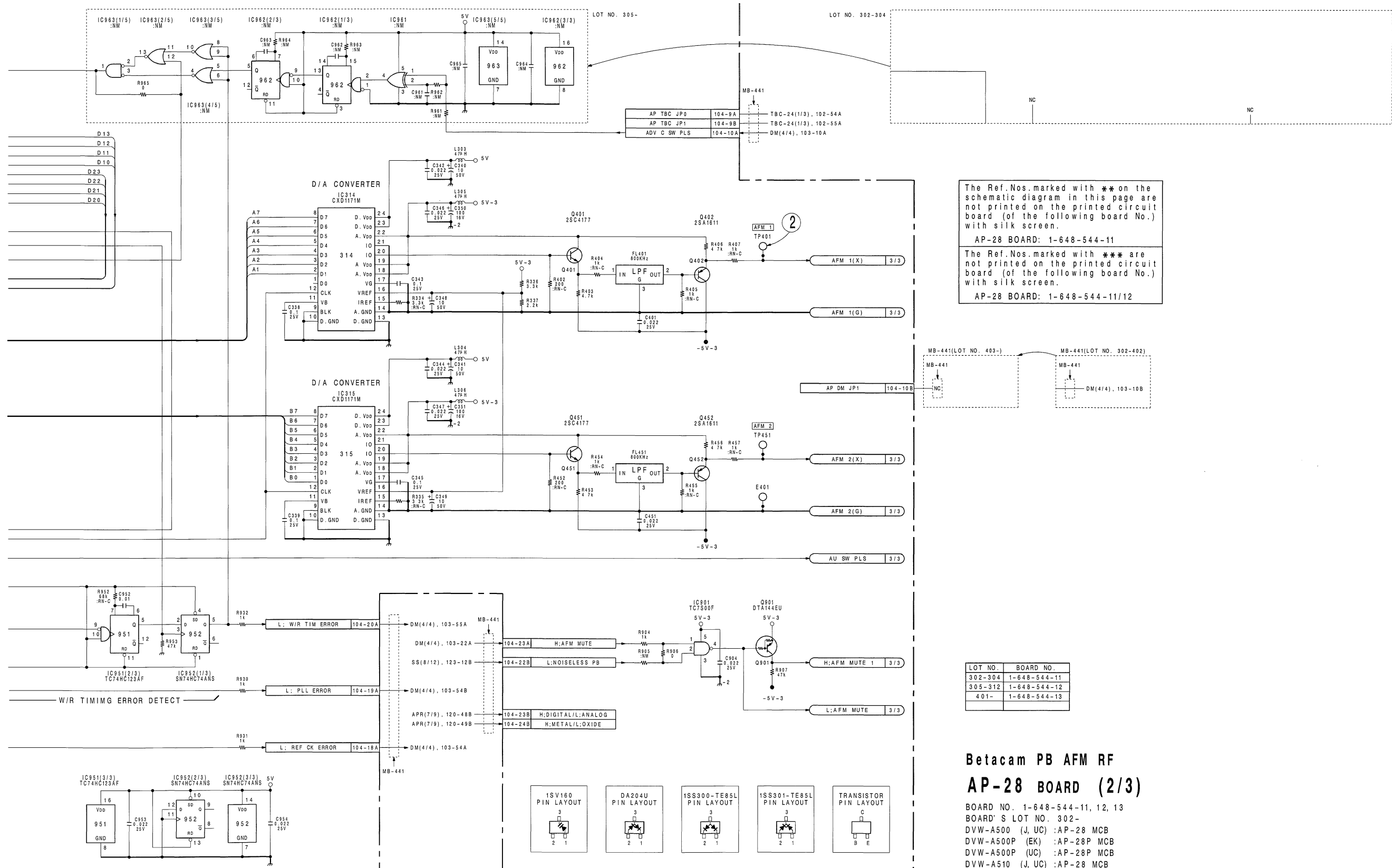
2

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The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

AP-28 BOARD: 1-648-544-11

The Ref.Nos.marked with *** are not printed on the printed circuit board (of the following board No.) with silk screen.

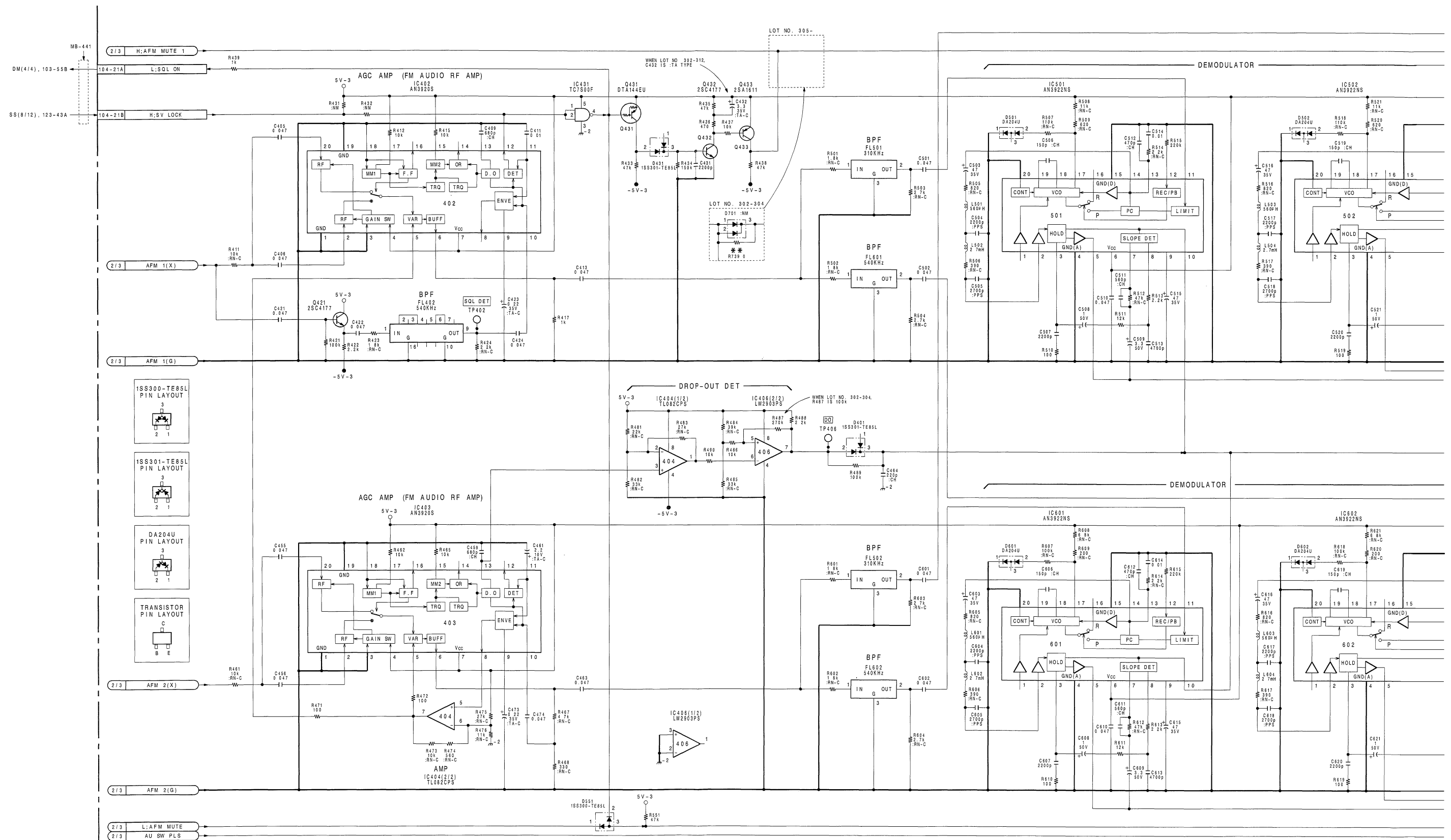
AP-28 BOARD: 1-648-544-11/12

LOT NO.	BOARD NO.
302-304	1-648-544-11
305-312	1-648-544-12
401-	1-648-544-13

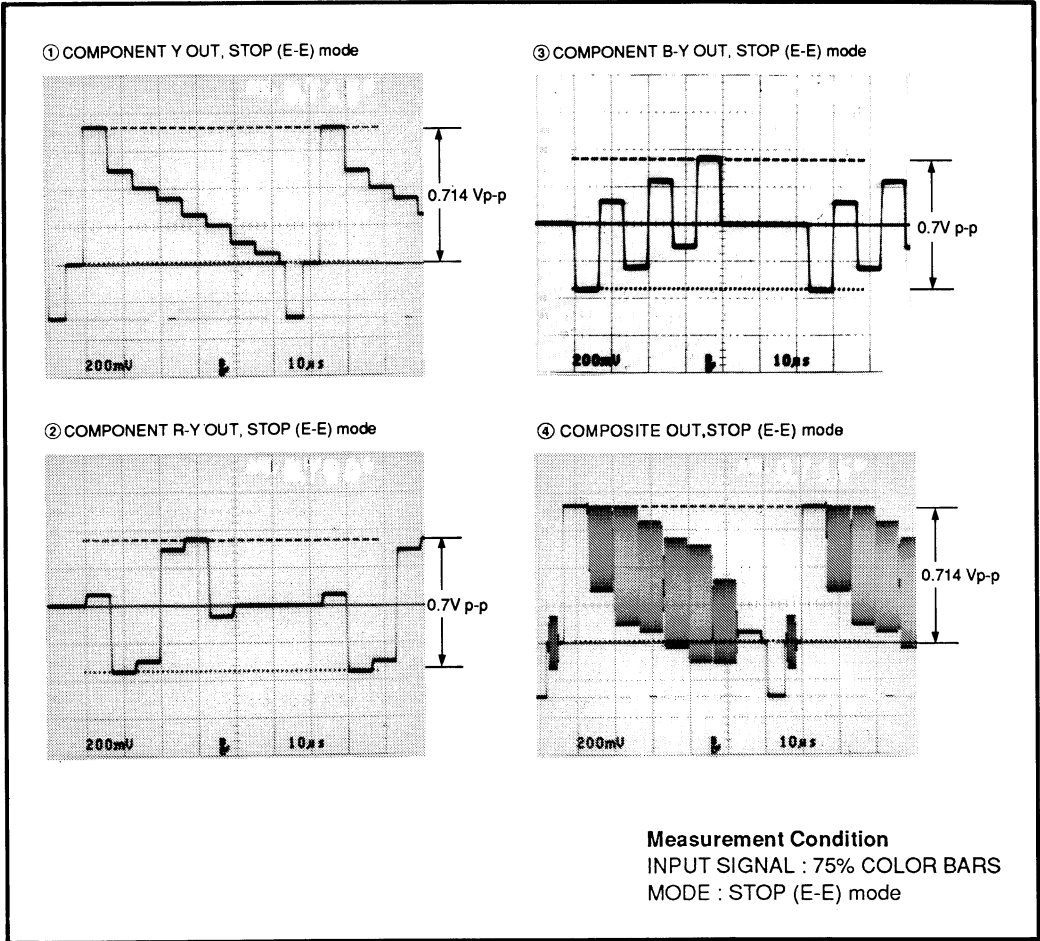
Betacam PB AFM RF AP-28 BOARD (2/3)

BOARD NO. 1-648-544-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) :AP-28 MCB
DVW-A500P (EK) :AP-28P MCB
DVW-A500P (UC) :AP-28P MCB
DVW-A510 (J, UC) :AP-28 MCB
DVW-A510P (EK) :AP-28P MCB
DVW-CA510(J, UC) :AP-28 MCB
DVW-CA510P(EK) :AP-28P MCB

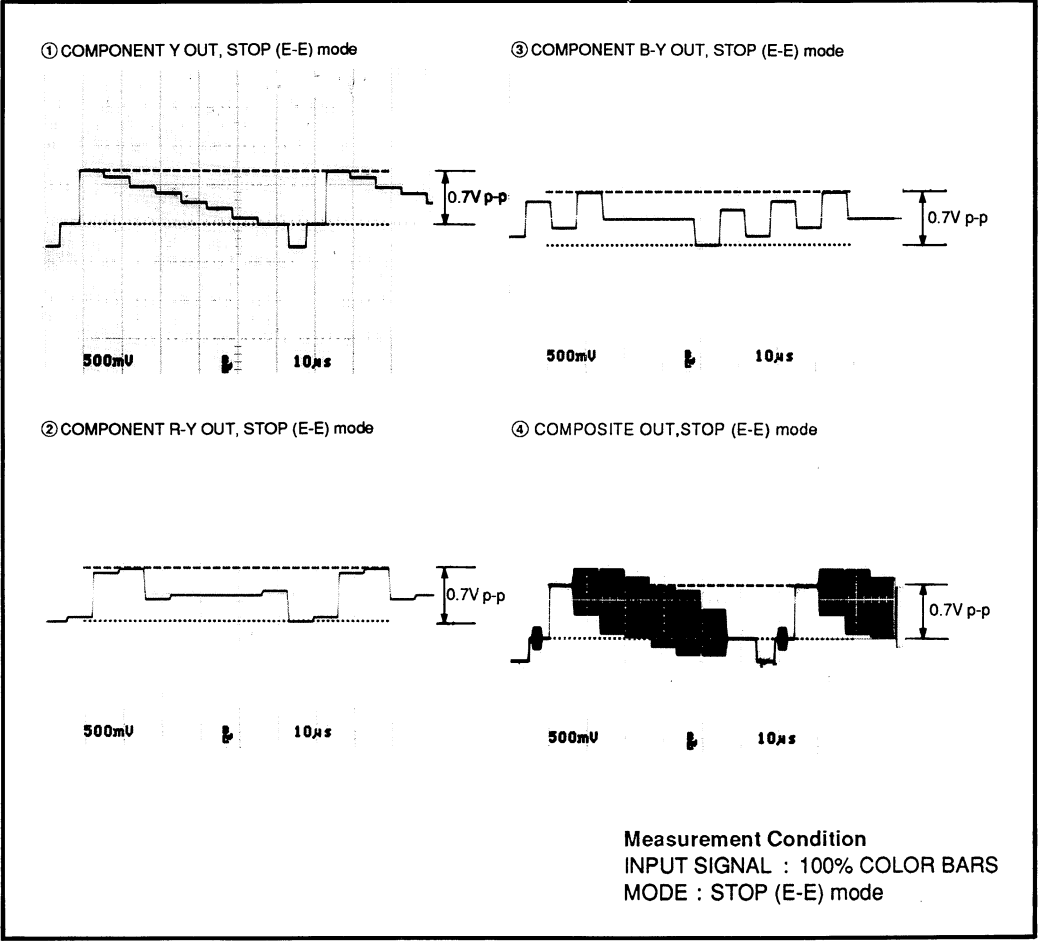
DVW-AP28-ALL-A-PB-S/M-04



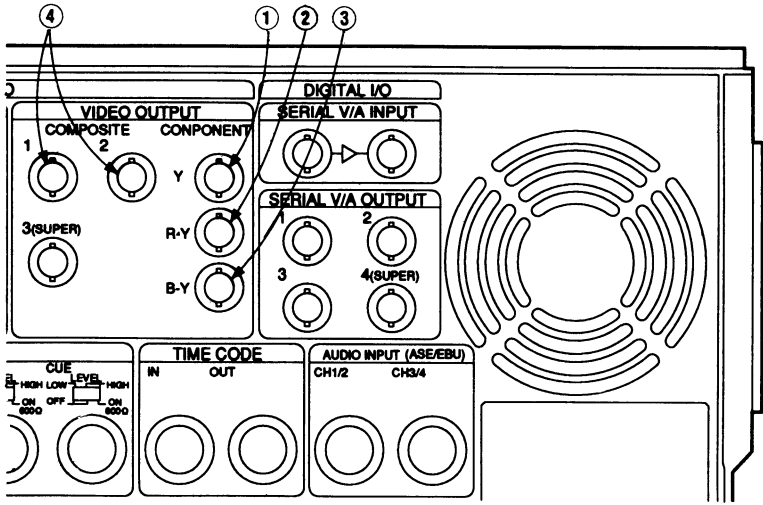
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



For DVW-A500/500



For DVW-A500P/500P



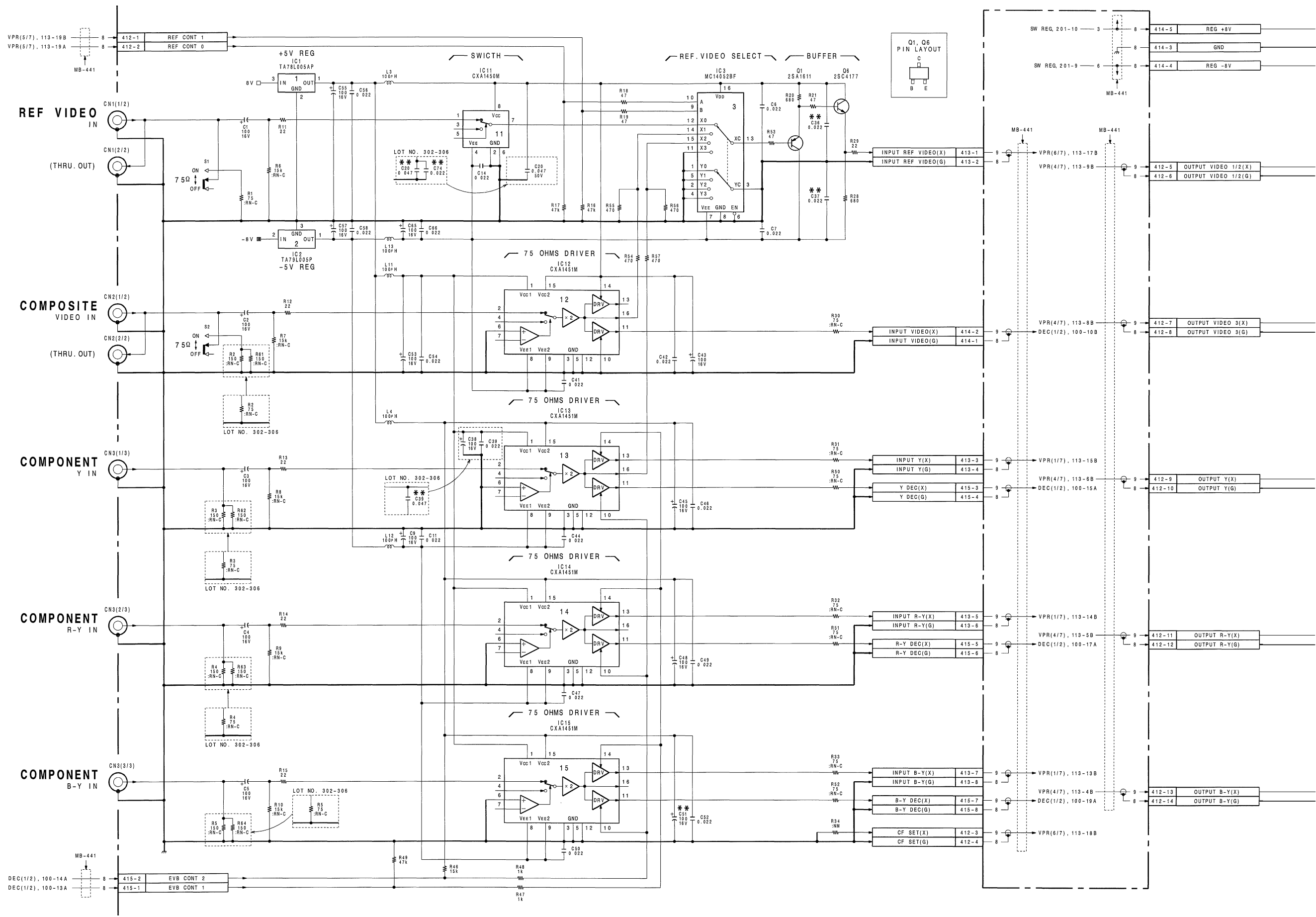
1

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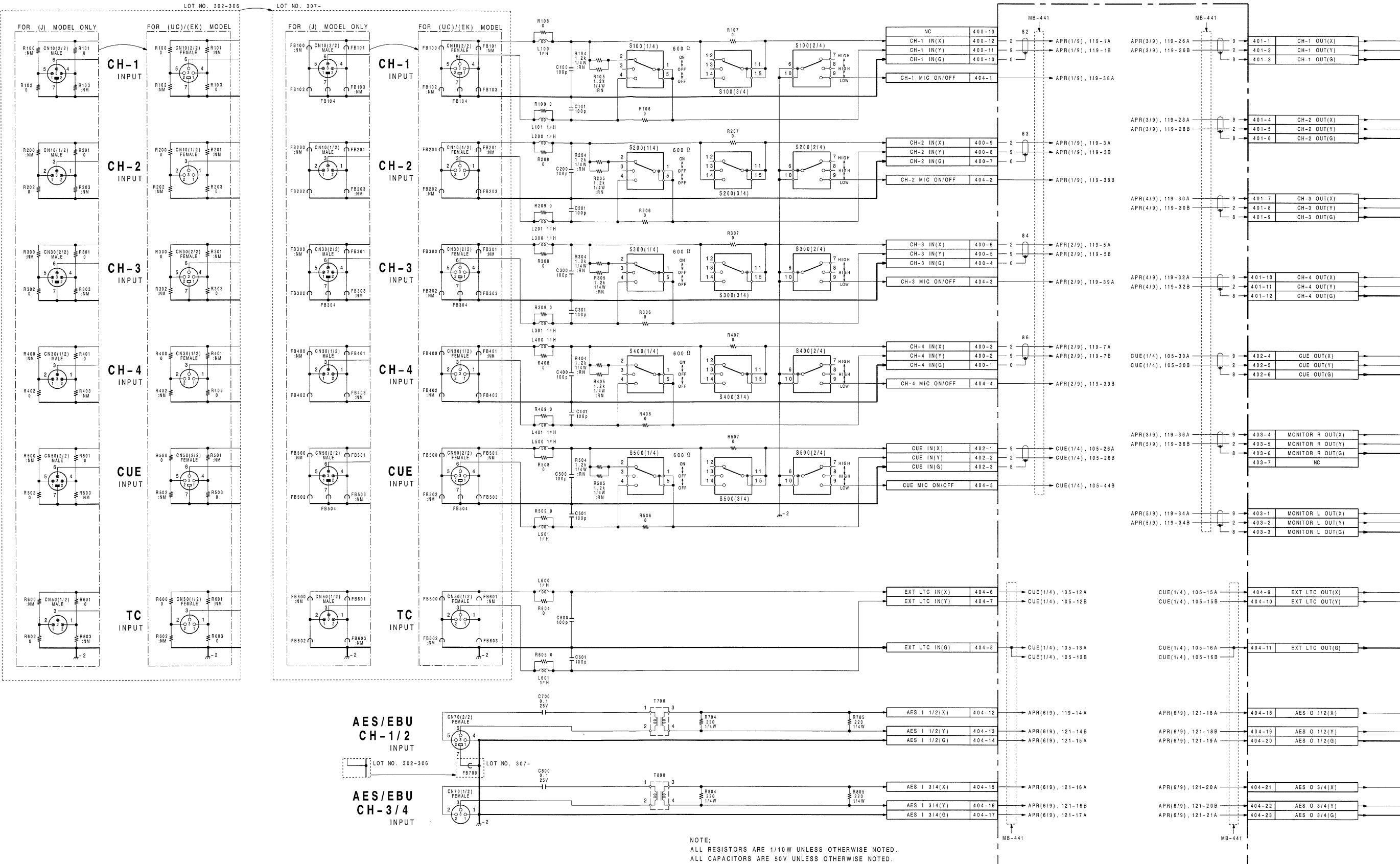
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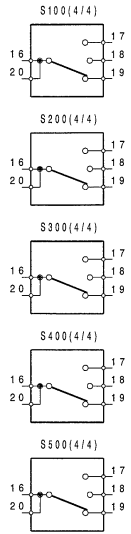
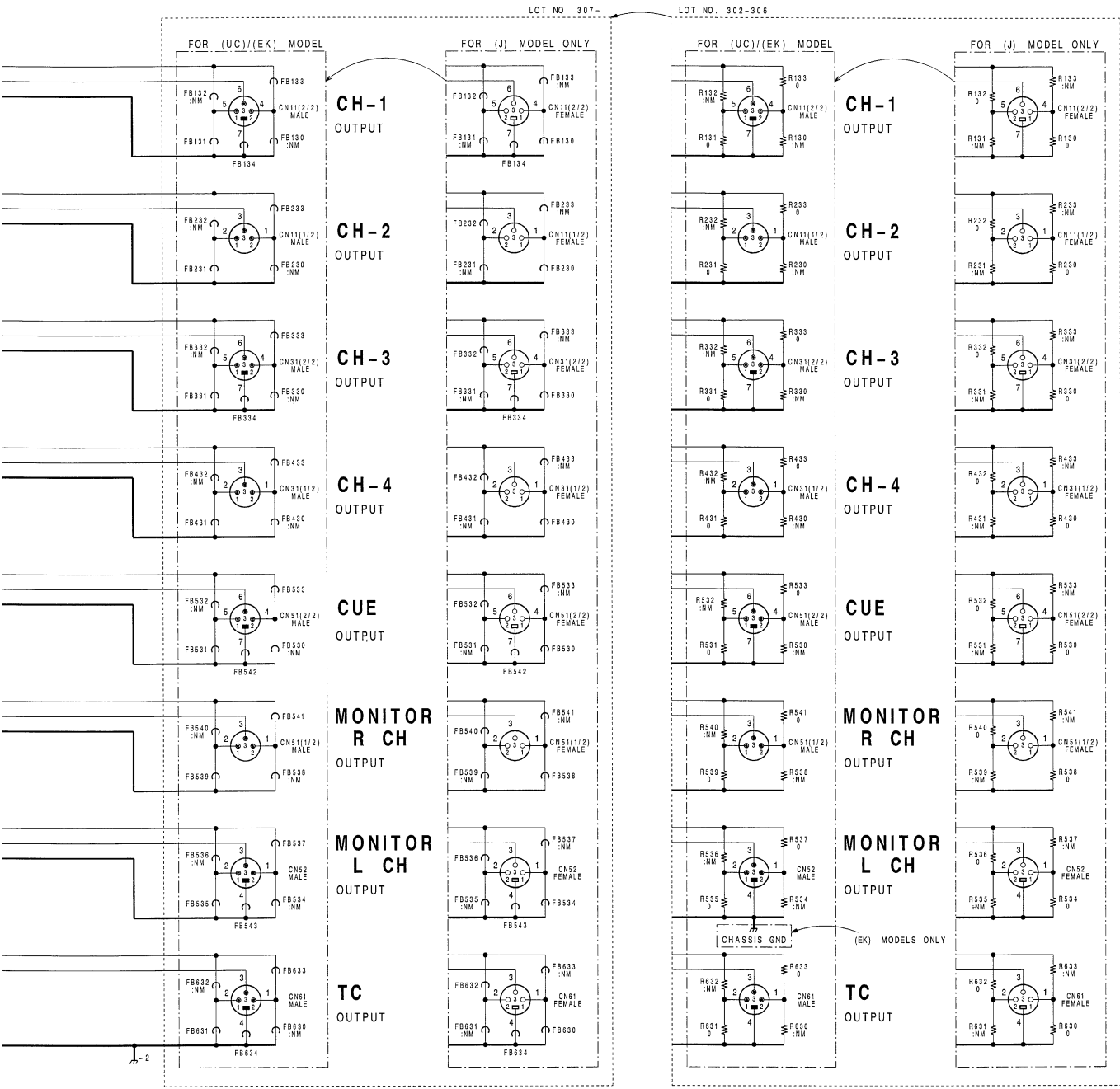
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3

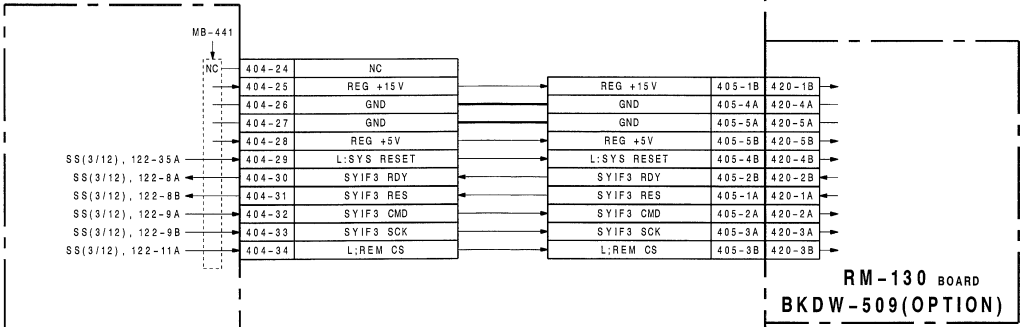
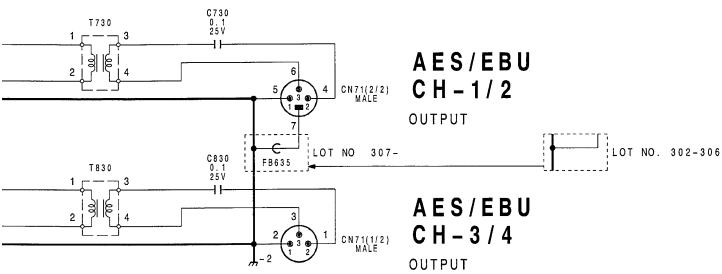
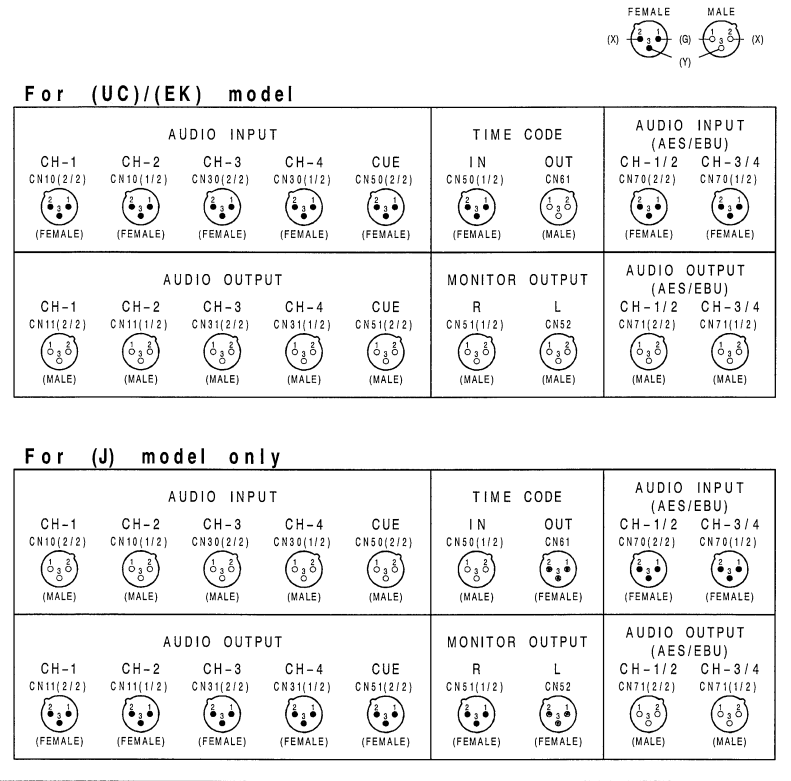
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5





XLR CONNECTORS LOCATION OF REAR PANEL

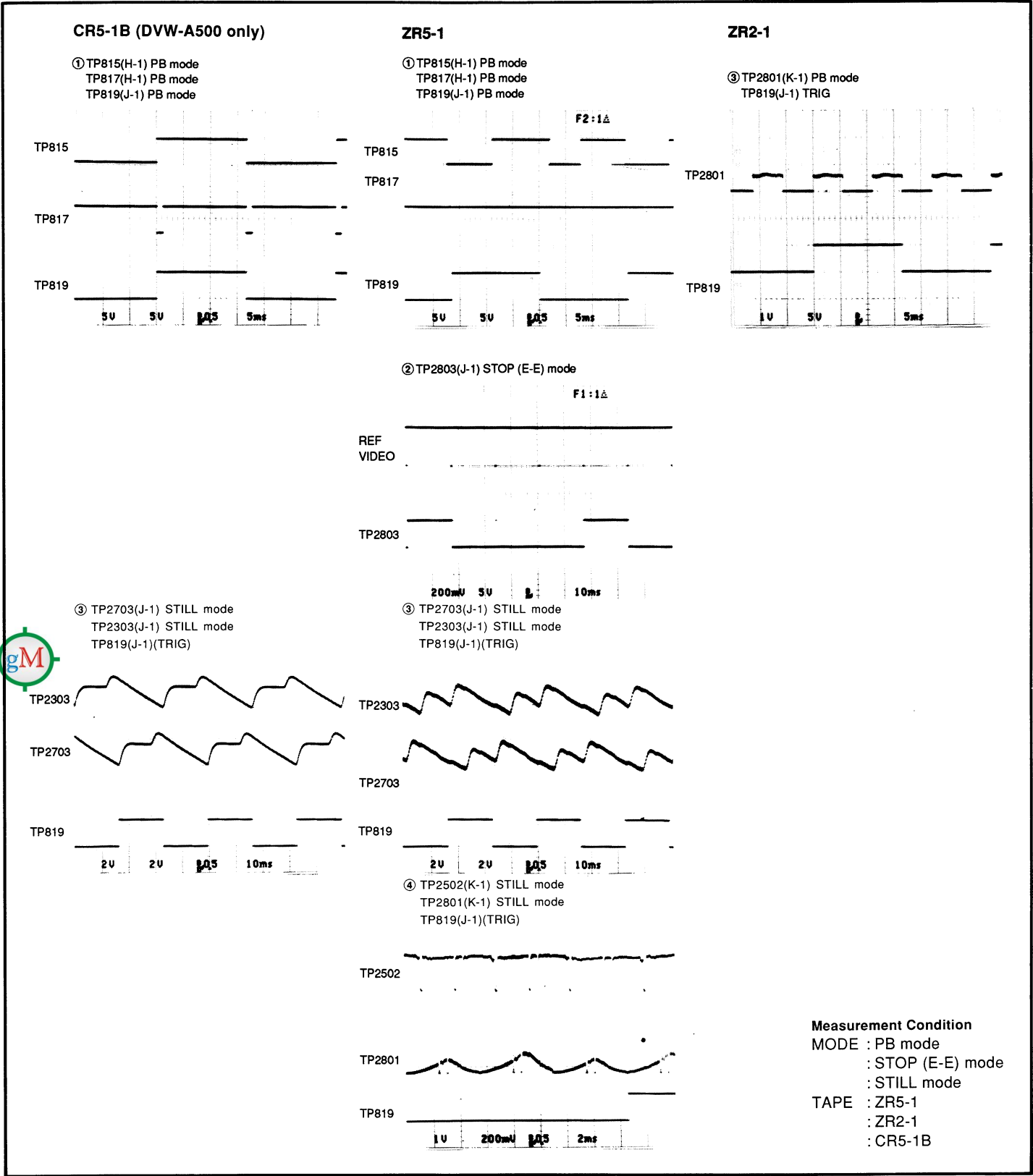
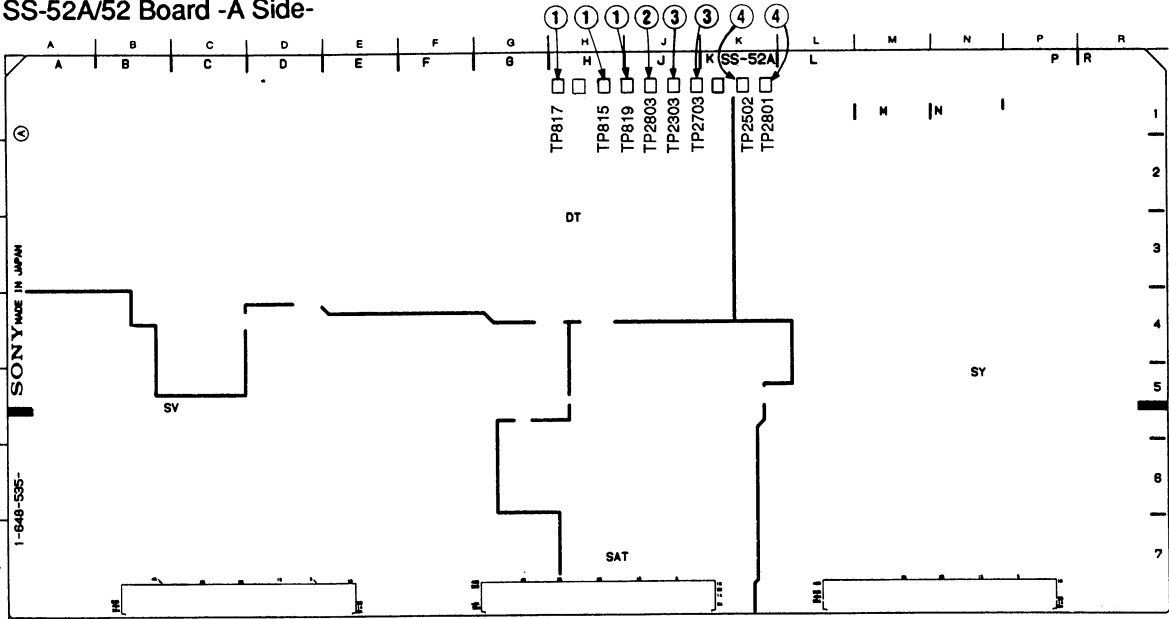


Rear Connector Board
(Analog/Digital Audio, TC)
CP-220 BOARD

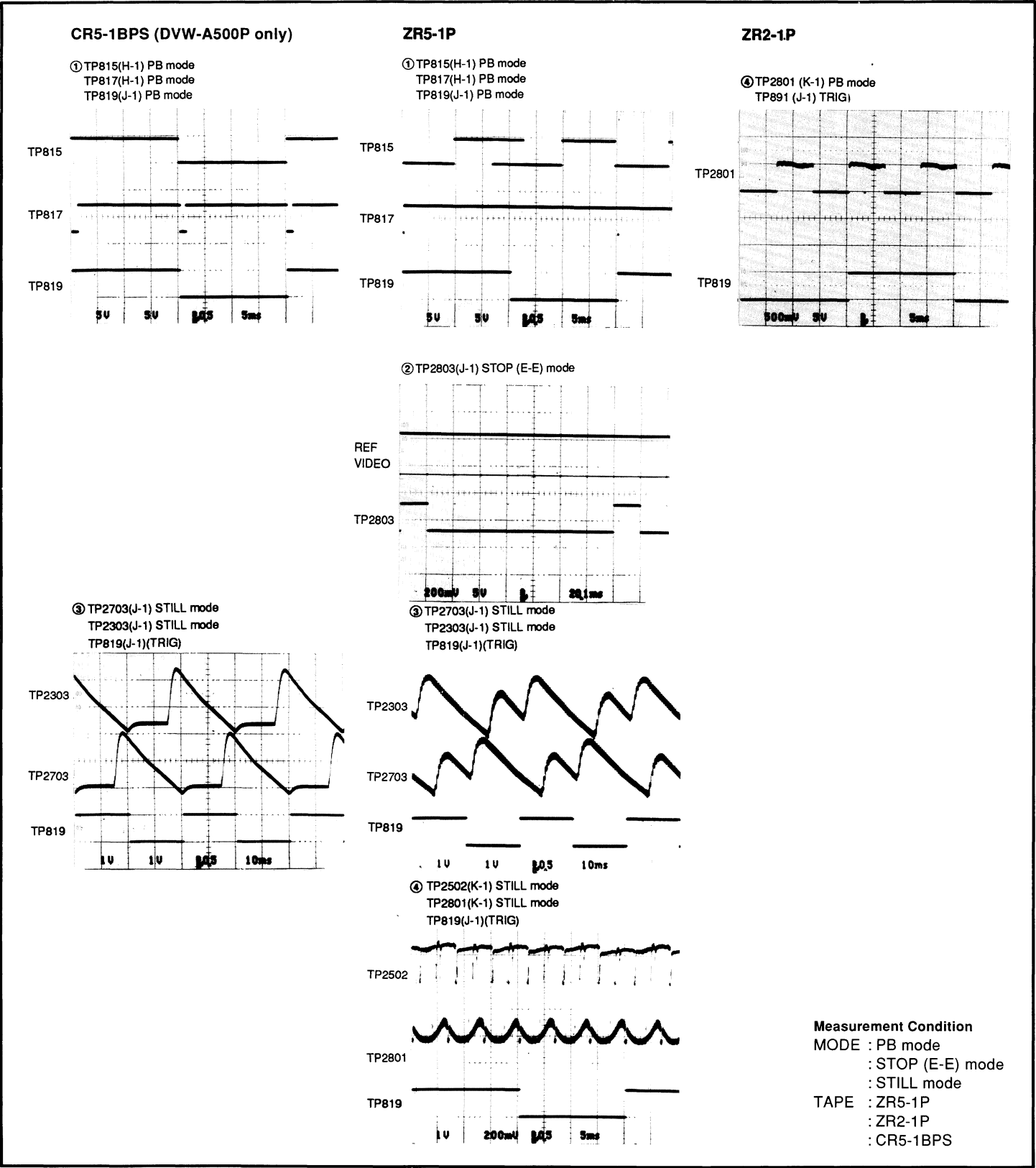
BOARD NO. 1-648-556-11, 12
BOARD'S LOT NO. 302-
DVW-A500 (J) : CP-220J MCB
DVW-A500 (UC) : CP-220 MCB
DVW-A500P(EK) : CP-220 MCB
DVW-A500P(UC) : CP-220 MCB
DVW-500 (J) : CP-220J MCB
DVW-500 (UC) : CP-220 MCB
DVW-500P (EK) : CP-220 MCB
DVW-500P (UC) : CP-220 MCB

DVW-CP220-ALL-REC-S/M-04

SS-52A/52 Board -A Side-



For DVW-A500/500



For DVW-A500P/500P

1

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A

B

C

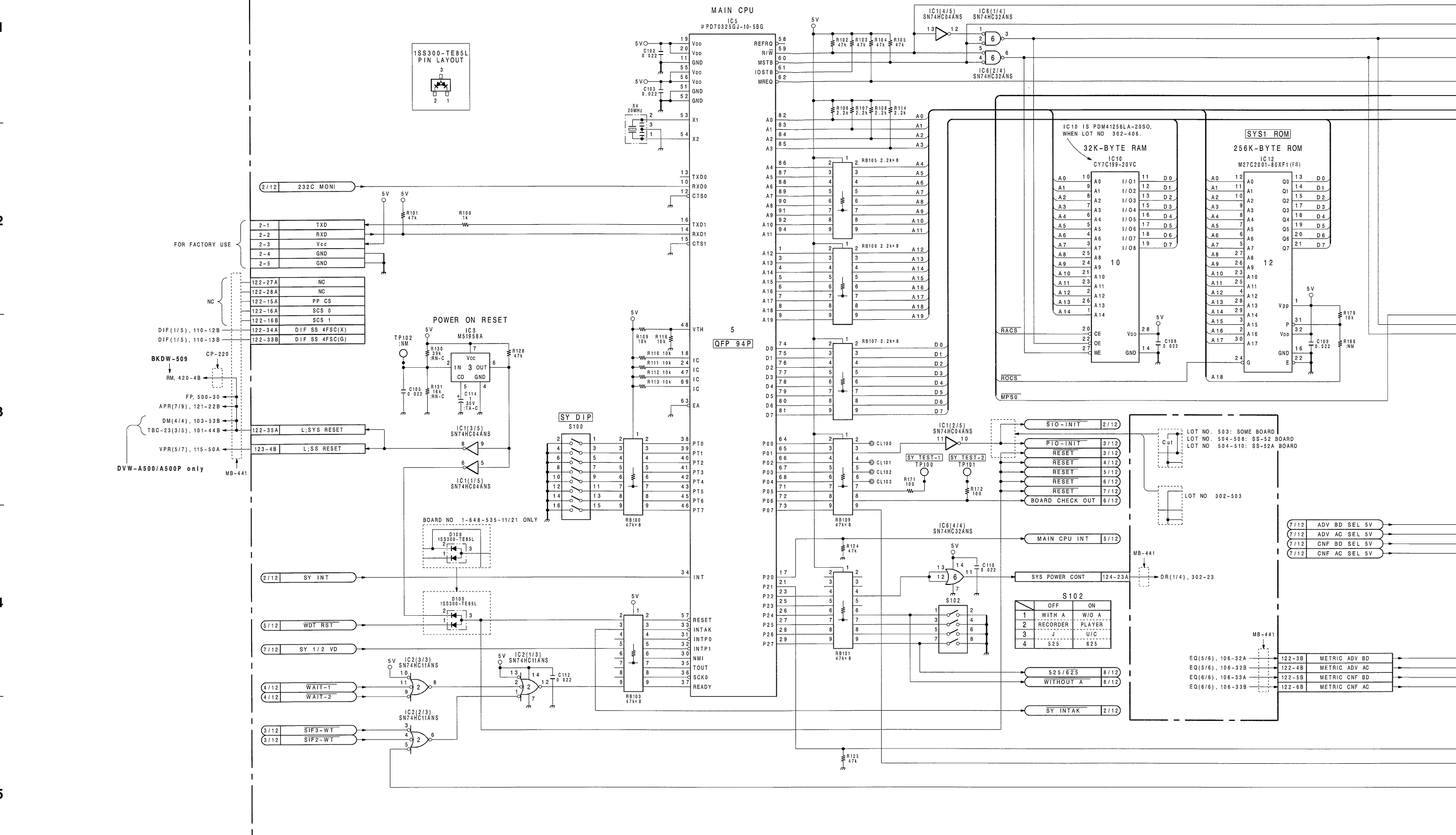
D

E

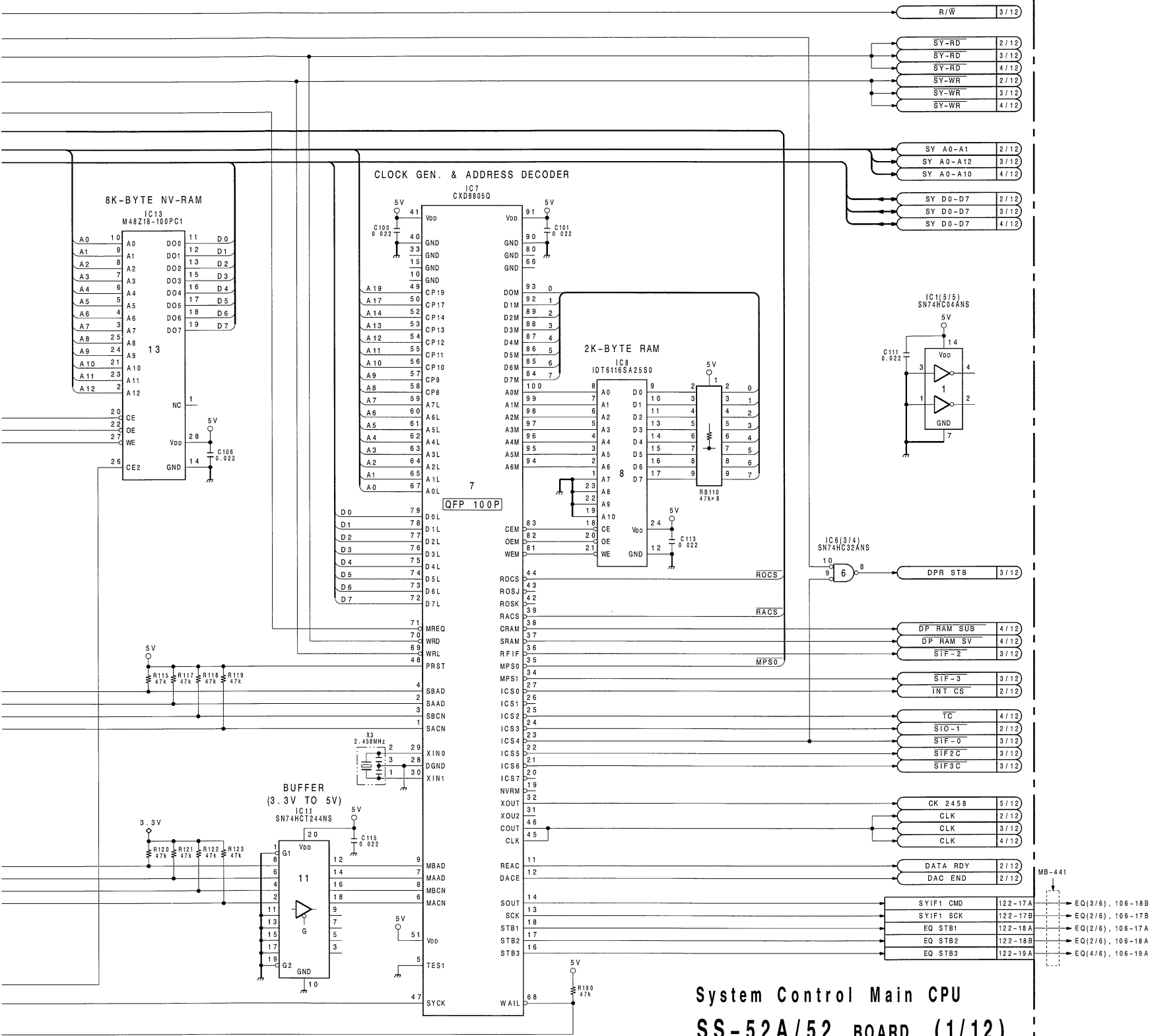
F

G

H



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

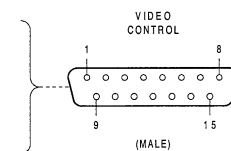
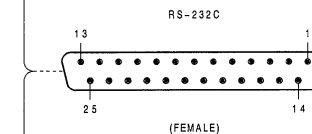
System Control Main CPU
SS-52A/52 BOARD (1/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-05



DVW-SS52-ALL-REC-S/M-05



NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

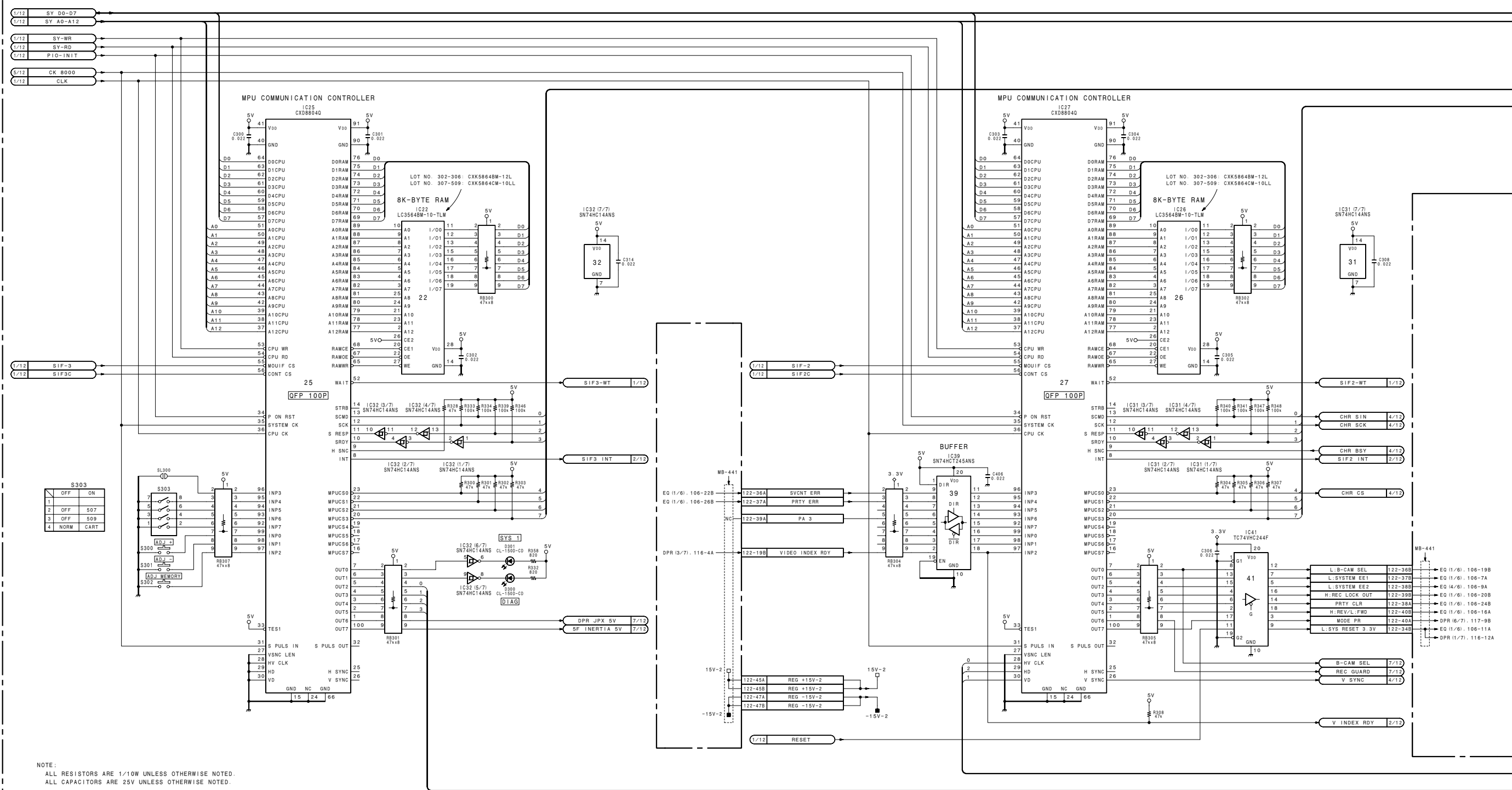
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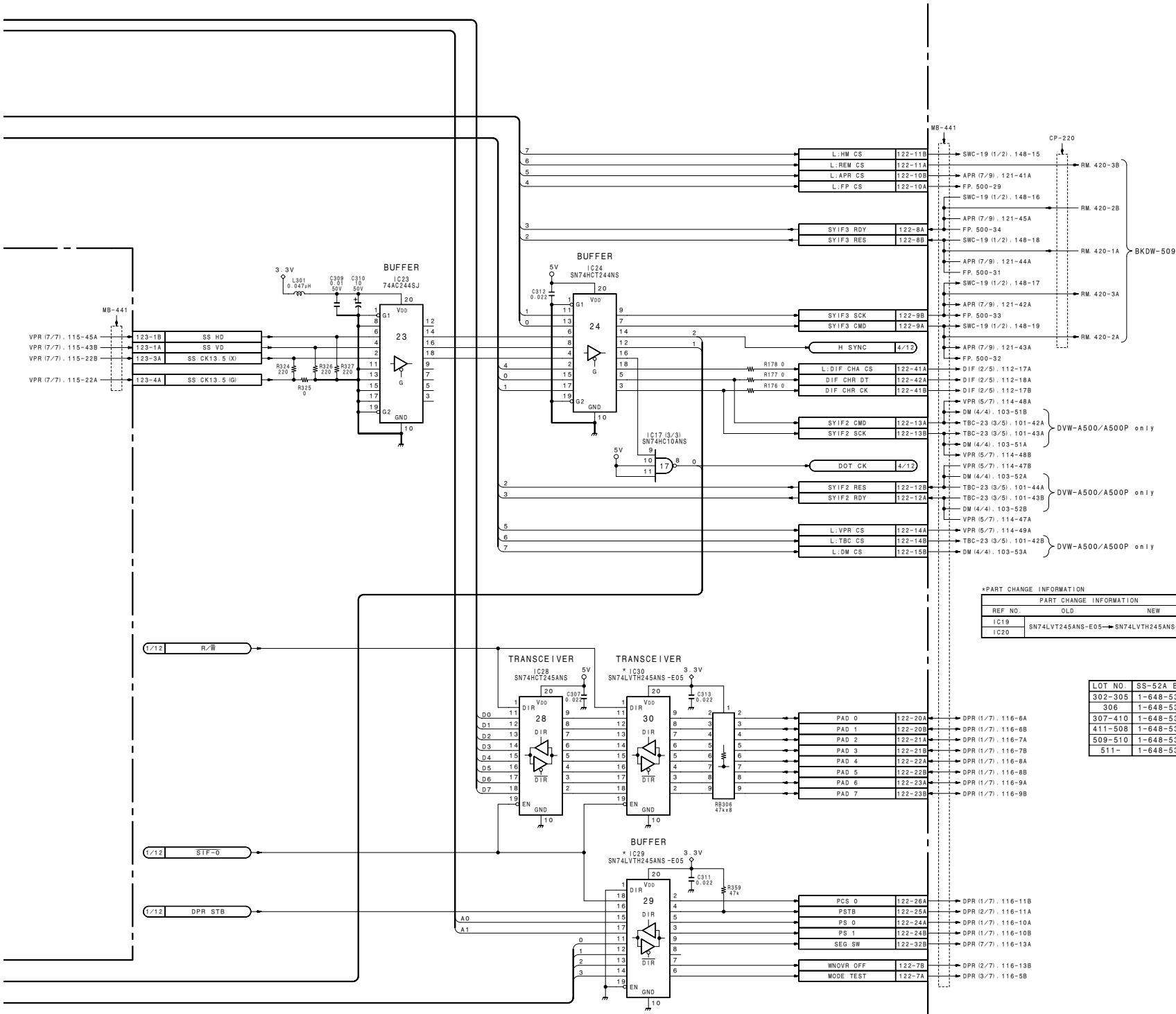
2

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*PART CHANGE INFORMATION

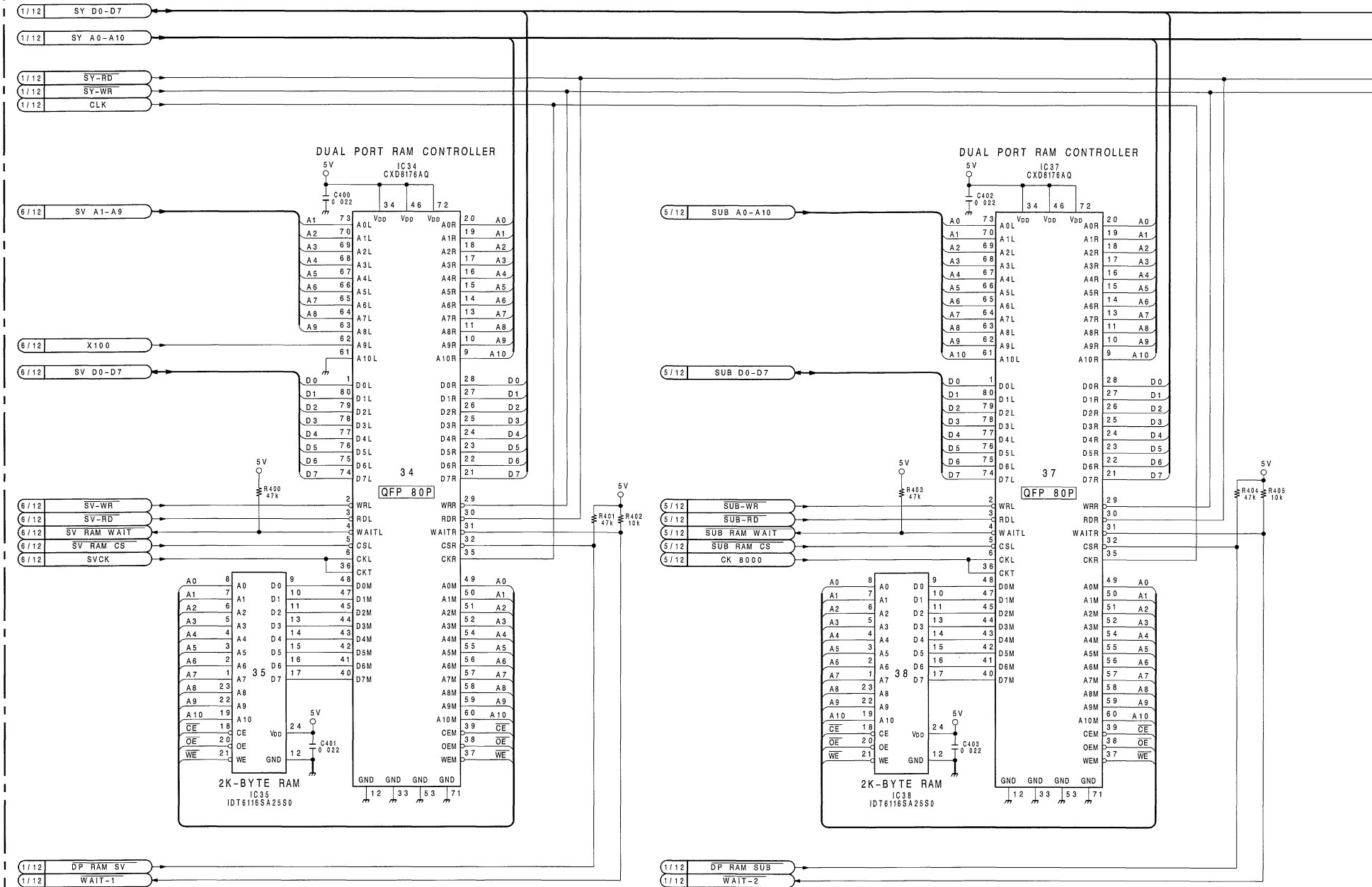
REF NO.	PART CHANGE INFORMATION	CHANGE LOT NO.	REPAIR PART FOR OLD PART	SIMULTANEOUSLY CHANGE PART
IC19	SN74LVTH245ANS-E05	905	SN74LVTH245ANS-E05	IC30
IC20	SN74LVTH245ANS-E05	905	SN74LVTH245ANS-E05	IC29

LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11, 12, 13, 14/21, 22, 23, 24	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

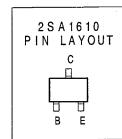
Audio/Video System Control
SS-52A/52 BOARD (3/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : SS-52A MCB
DVW-A500P (EK) : SS-52AP MCB
DVW-A500P (UC) : SS-52AP MCB
DVW-500 (J, UC) : SS-52 MCB
DVW-500P (EK) : SS-52P MCB
DVW-500P (UC) : SS-52P MCB

[DVW-SS52-ALL-REC-S/M-05]



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

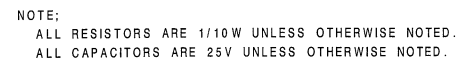


LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511	1-648-535-14	1-648-535-24

SS-52A/52 BOARD (4/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB





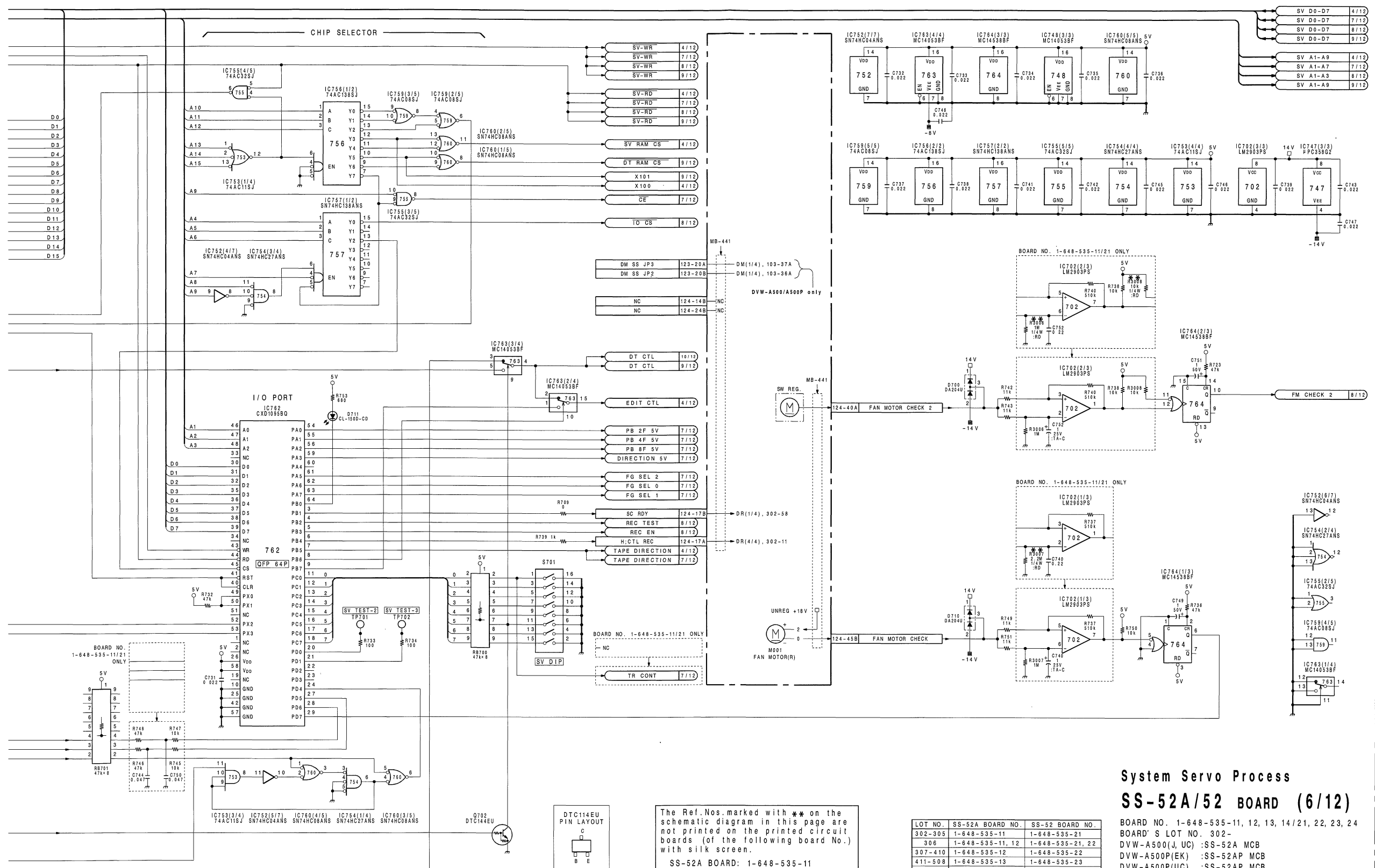
— LINE DRIVER/RECEIVER —

LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

System Control Sub CPU,
RS-422A Control
SS-52A/52 BOARD (5/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-05

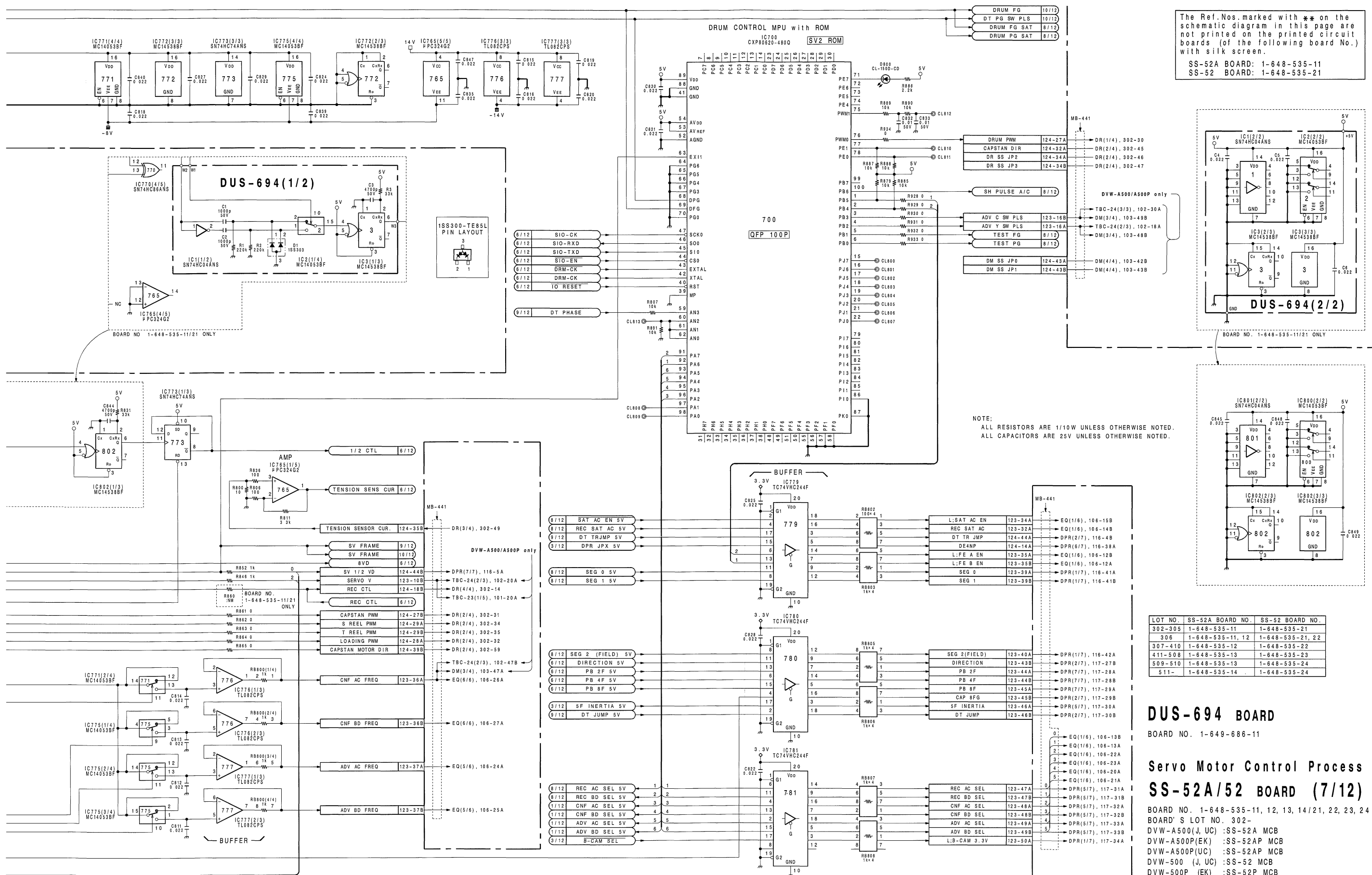


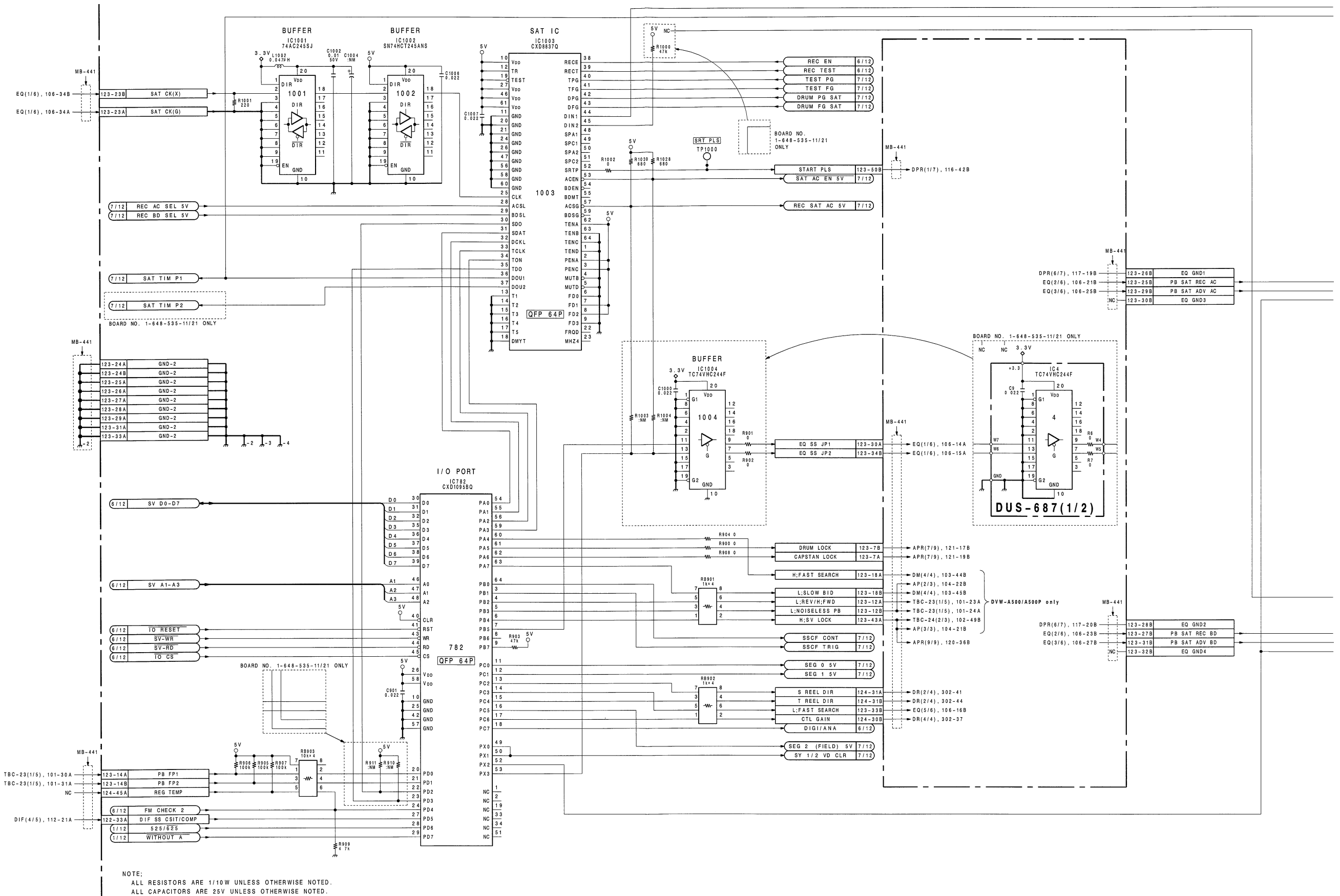
System Servo Process
SS-52A/52 BOARD (6/12)

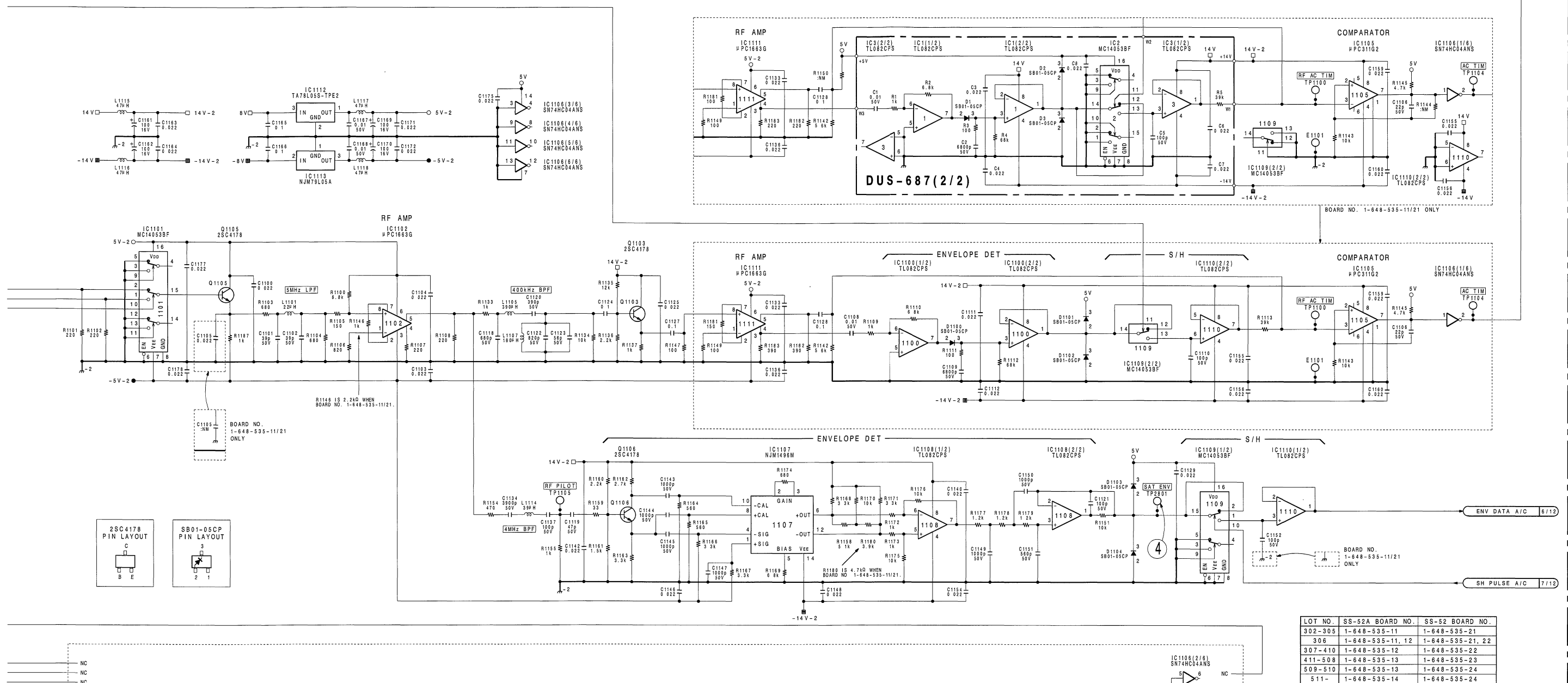
BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-05









DUS-687 BOARD

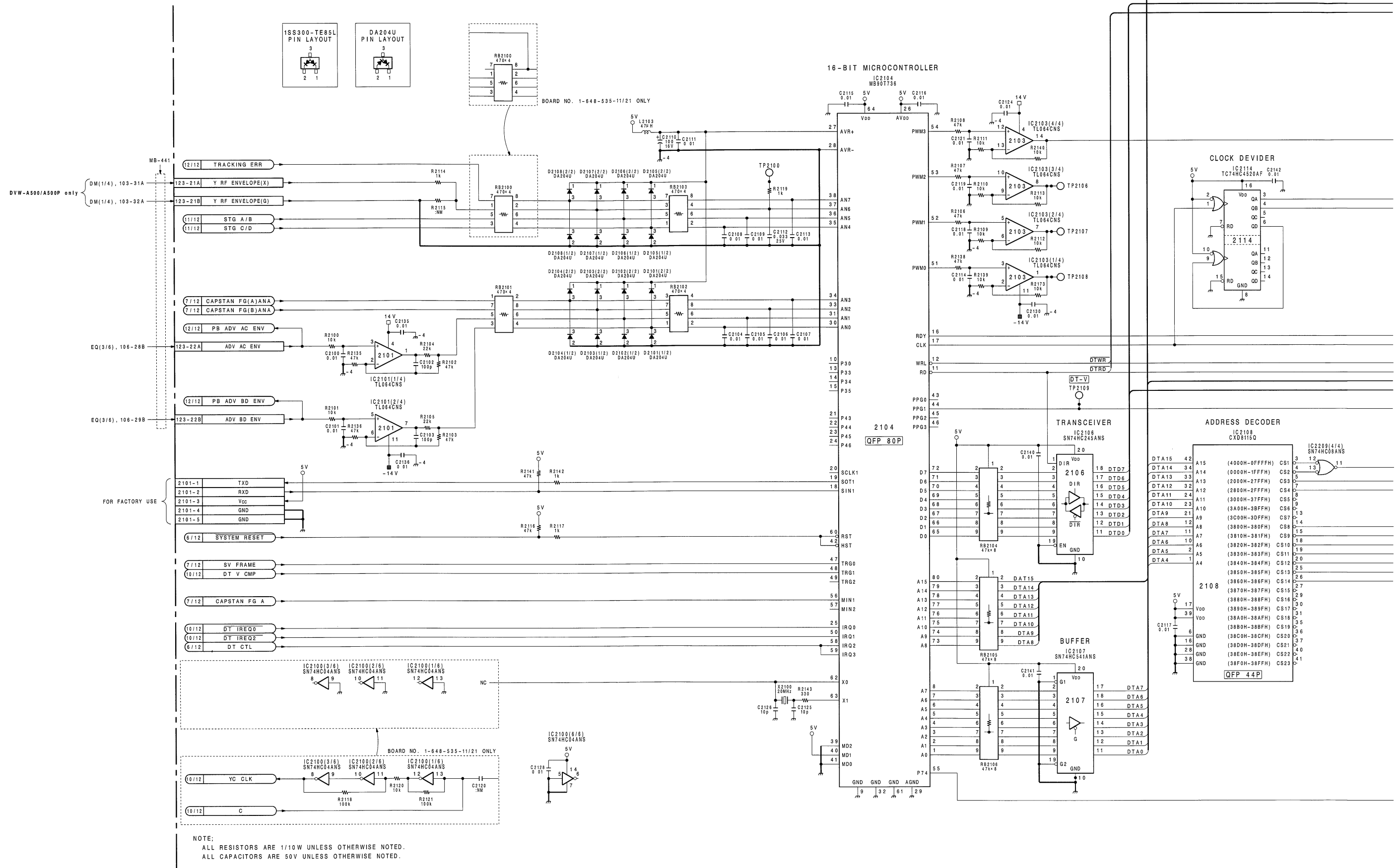
BOARD NO. 1-649-491-11

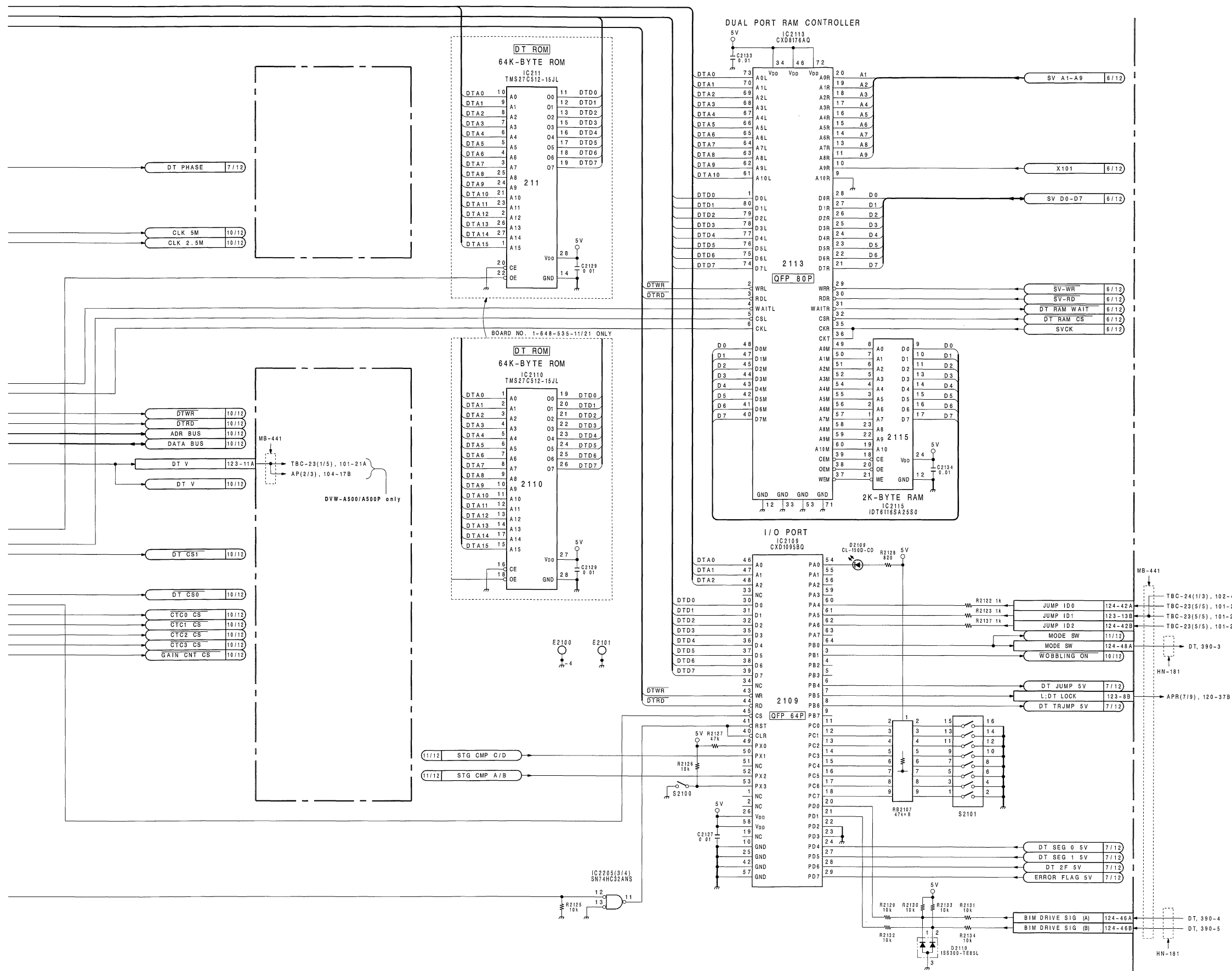
SAT Process,
Servo Control Signal GEN.
SS-52A/52 BOARD (8/12)

BOARD NO. 1-648-535-11, 12, 13, 14 / 21, 22, 23, 24

BOARD' S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-05



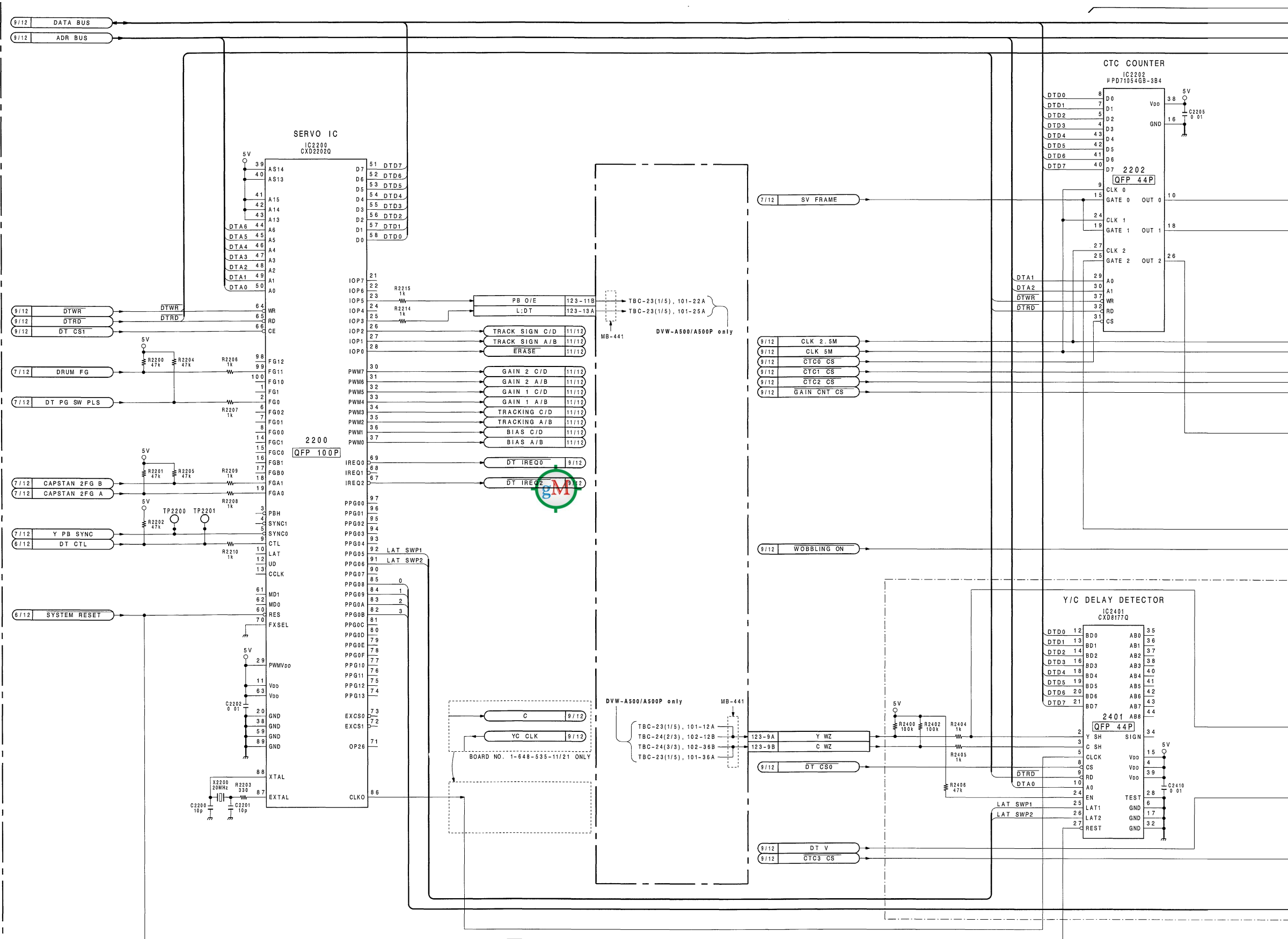


LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

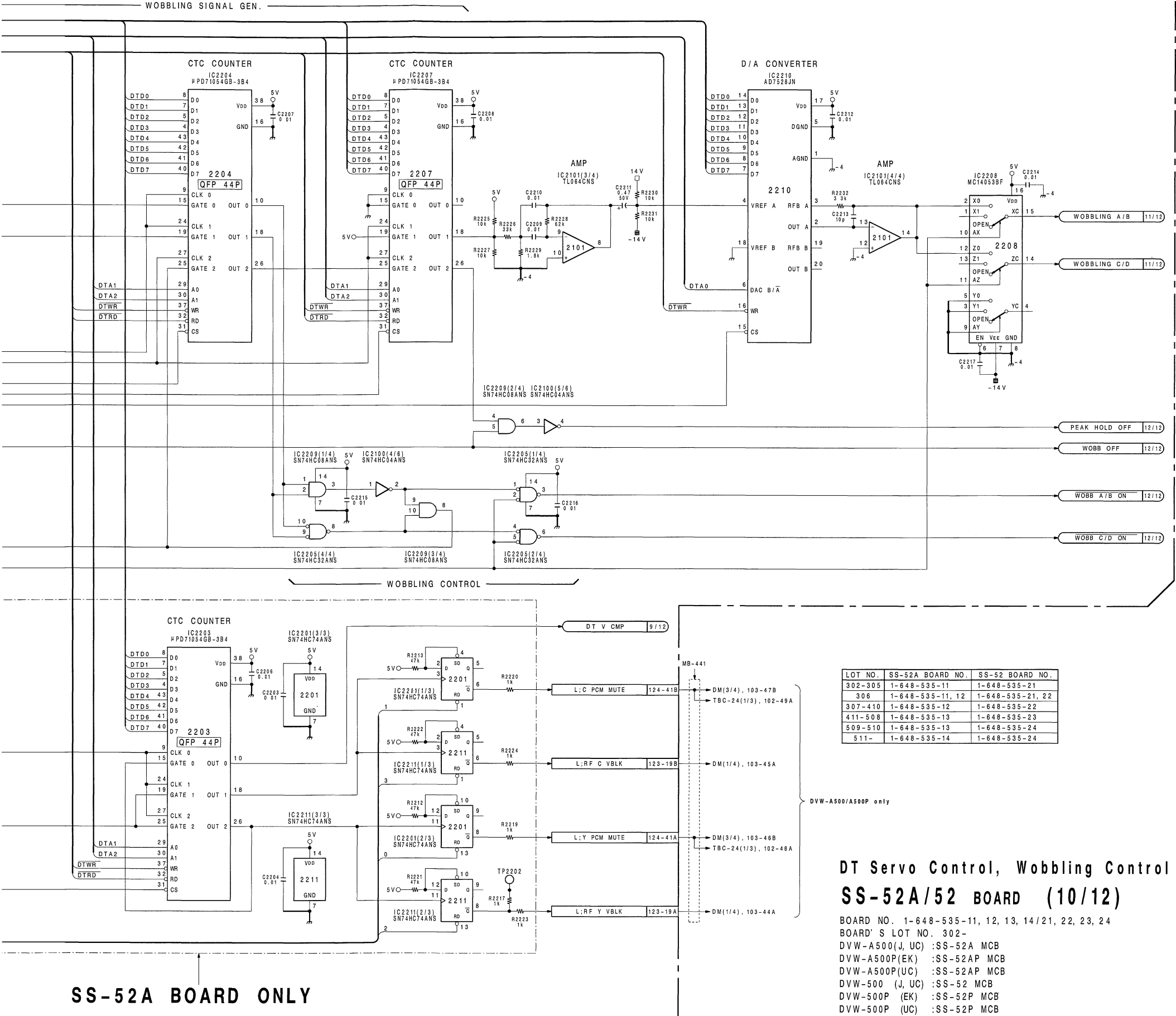
DT Servo Process Control
SS-52A/52 BOARD (9/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-05



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



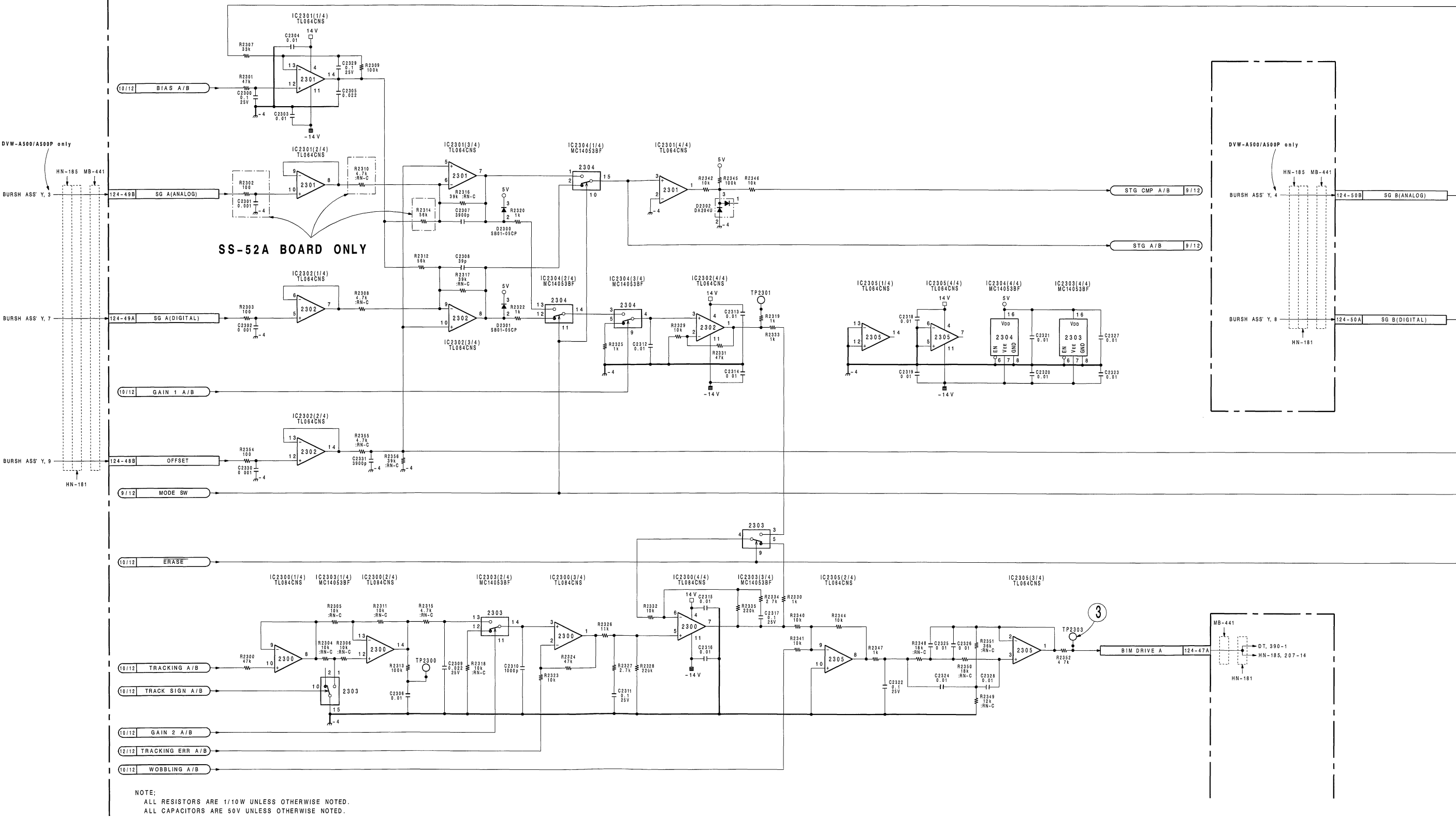
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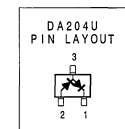
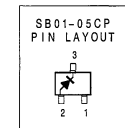
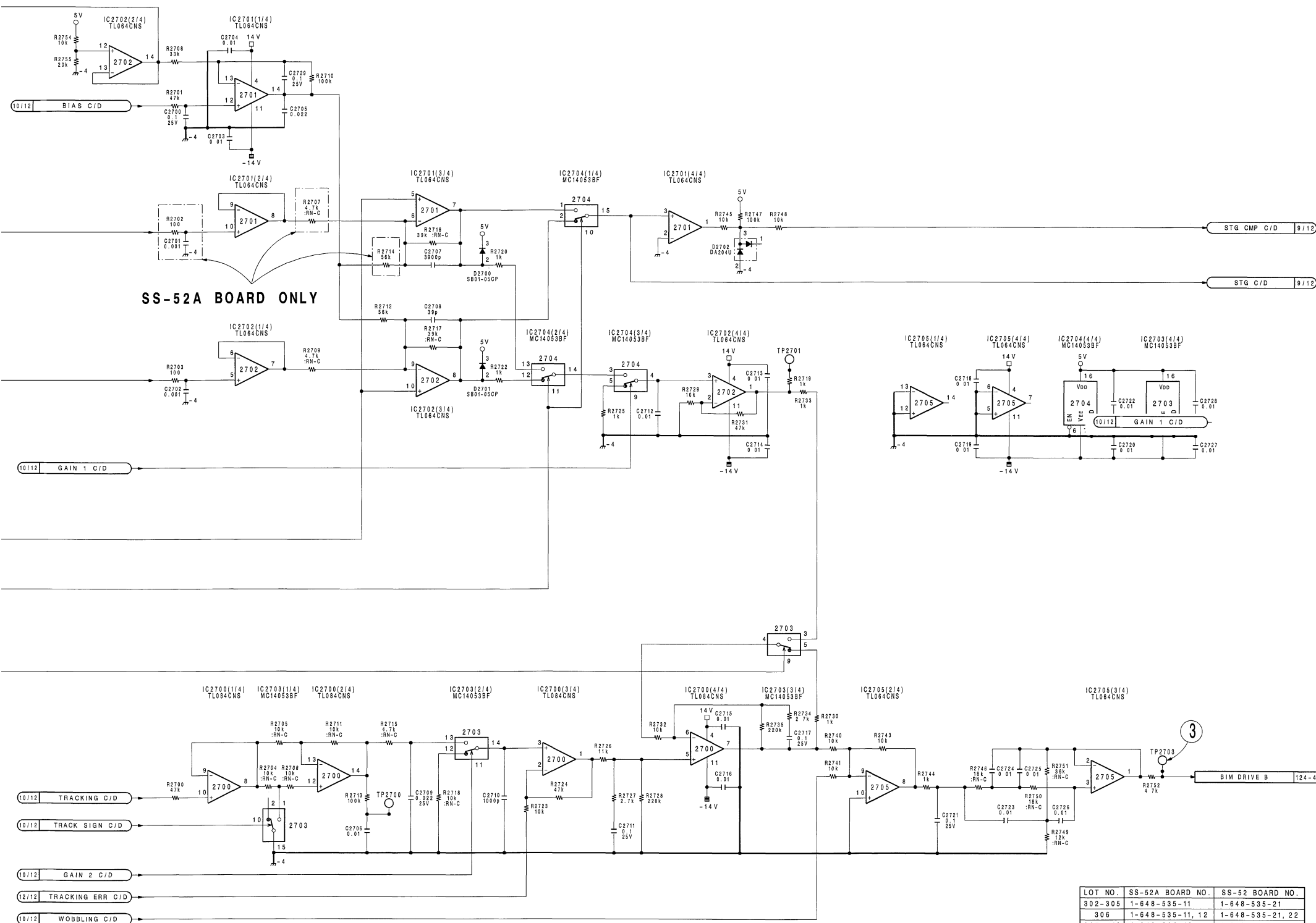
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Bimorph Drive Control
SS-52A/52 BOARD (11/12)

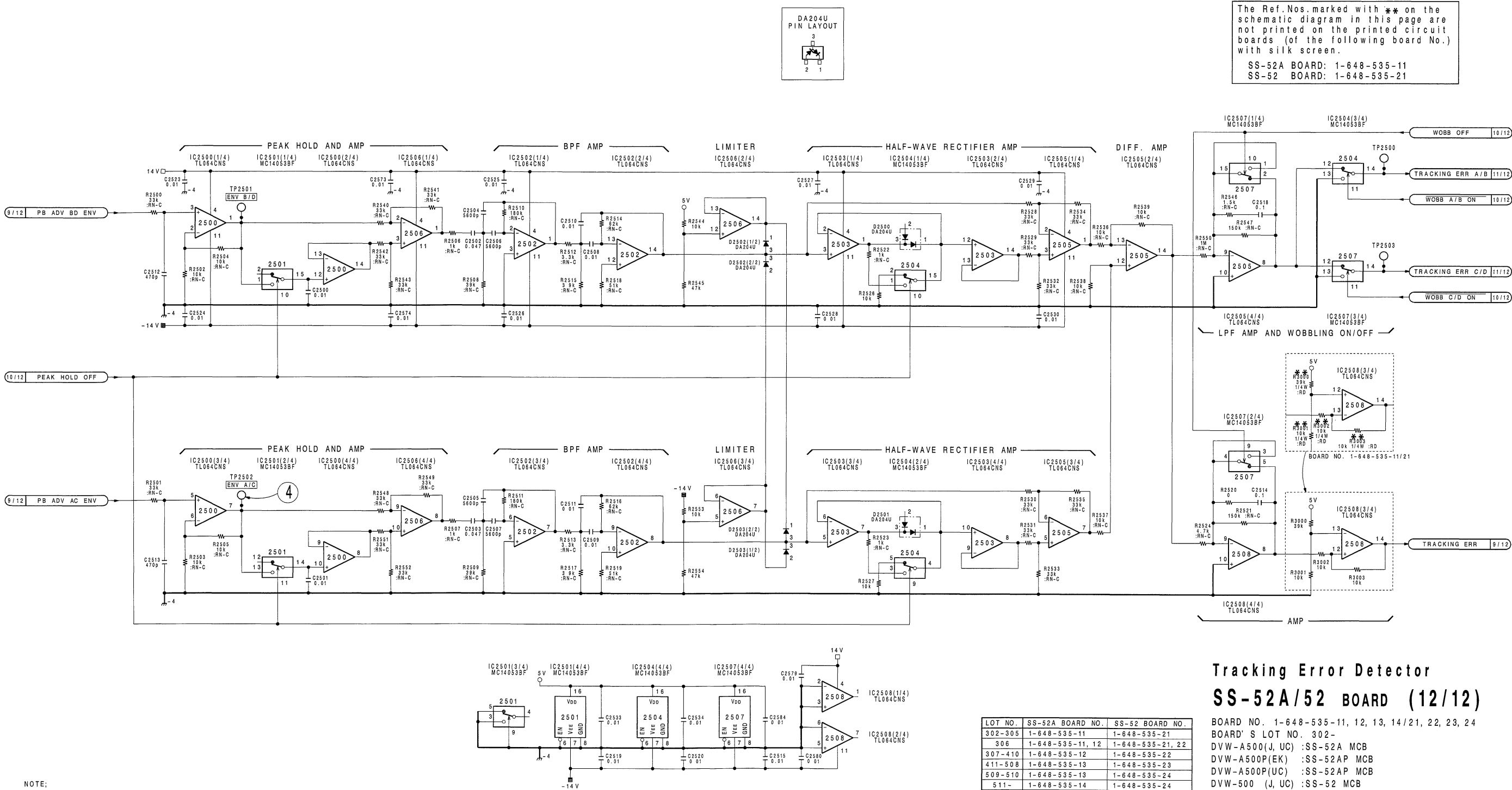
BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

DVW-SS52-ALL-REC-S/M-05

The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.

SS-52A BOARD: 1-648-535-11
SS-52 BOARD: 1-648-535-21



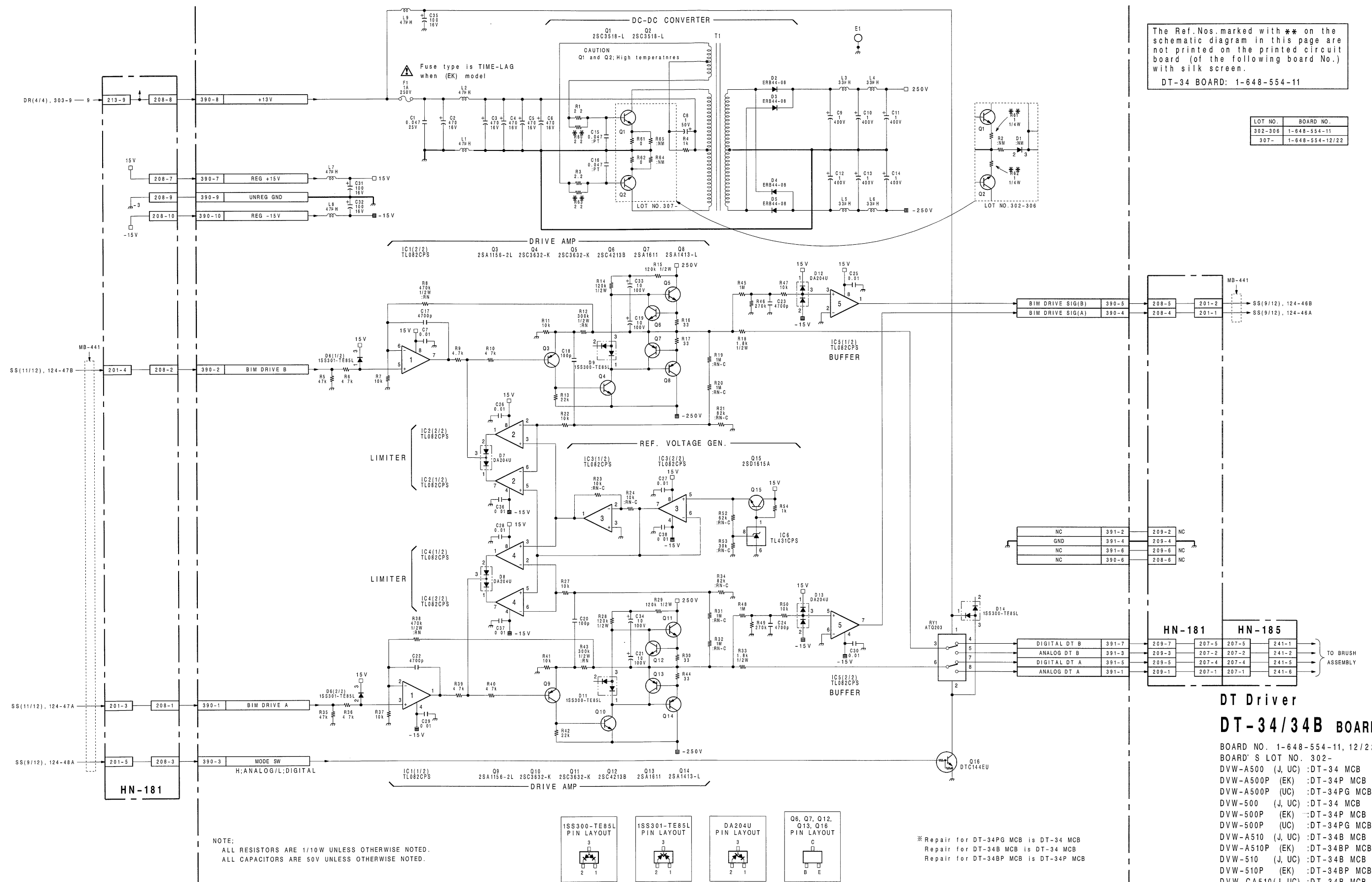
Tracking Error Detector
SS-52A/52 BOARD (12/12)

LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-05

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



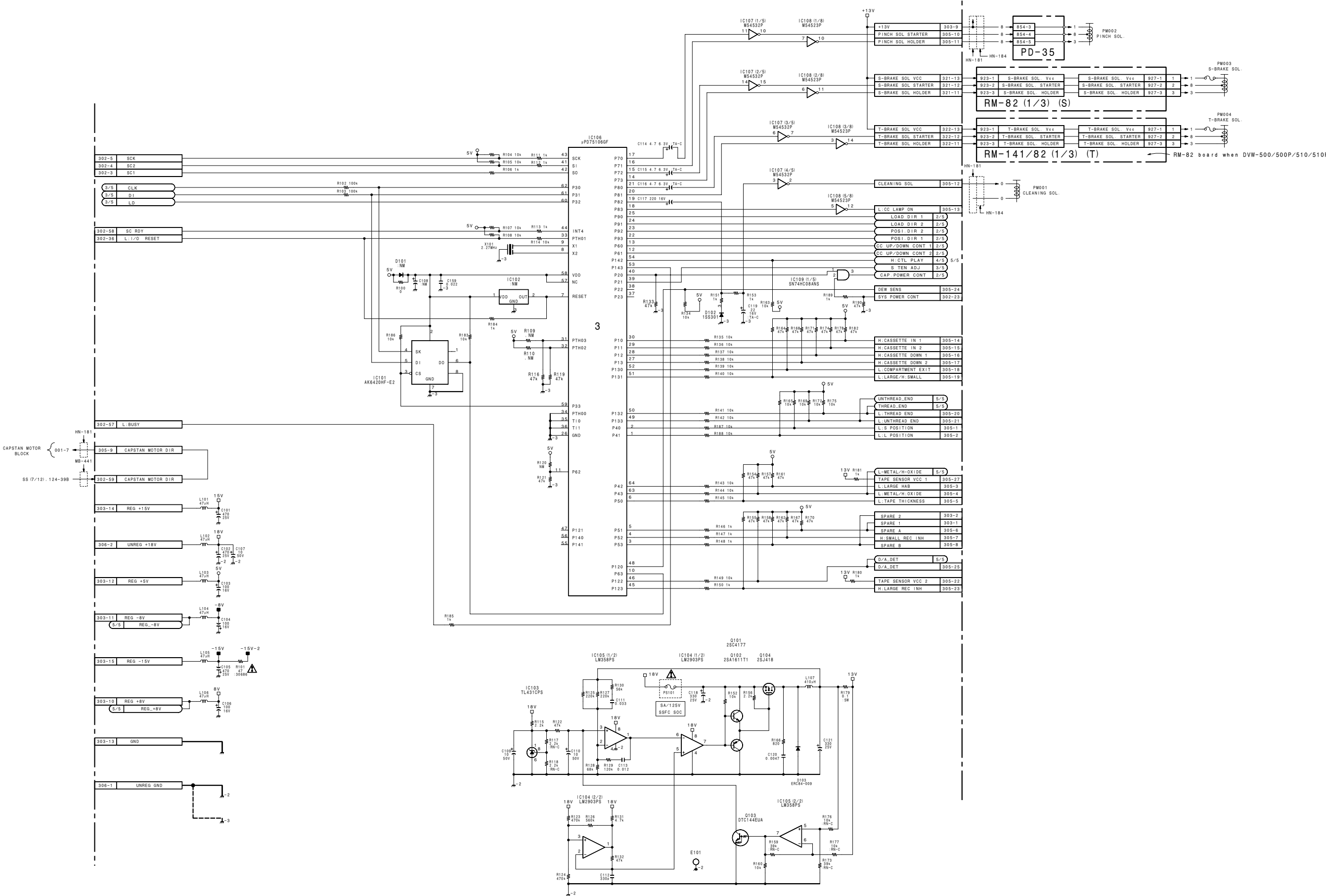
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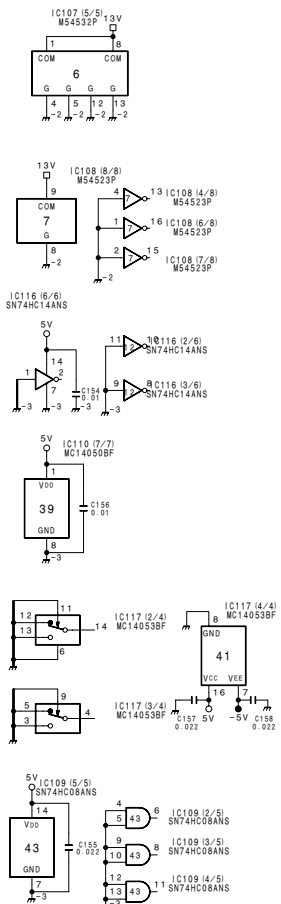
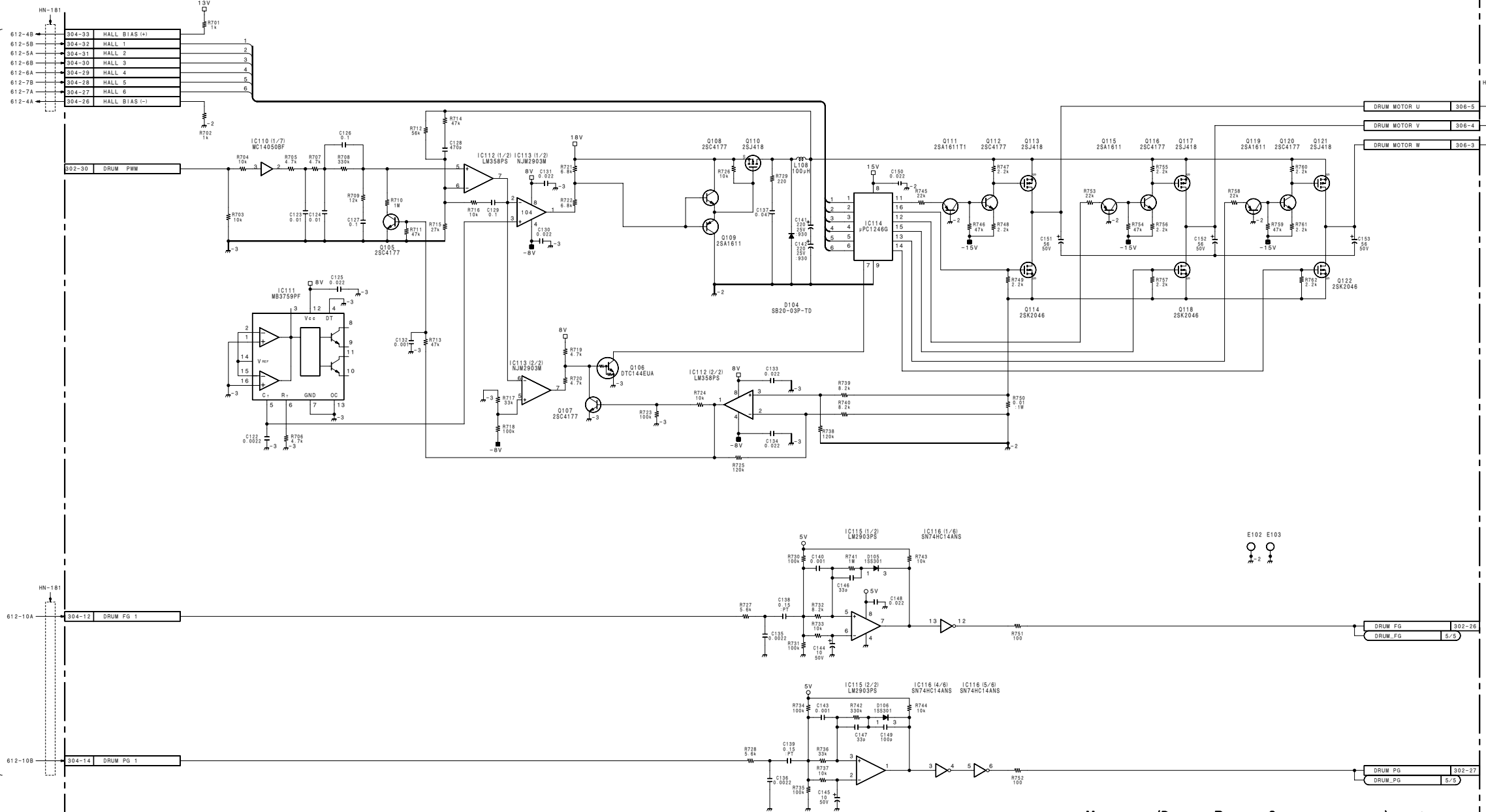
4

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1-156 (b)

1-156 (b)



Motors (Drum, Reel Capstan, etc) driver,
Solenoids driver
DR-307 BOARD (1/5)

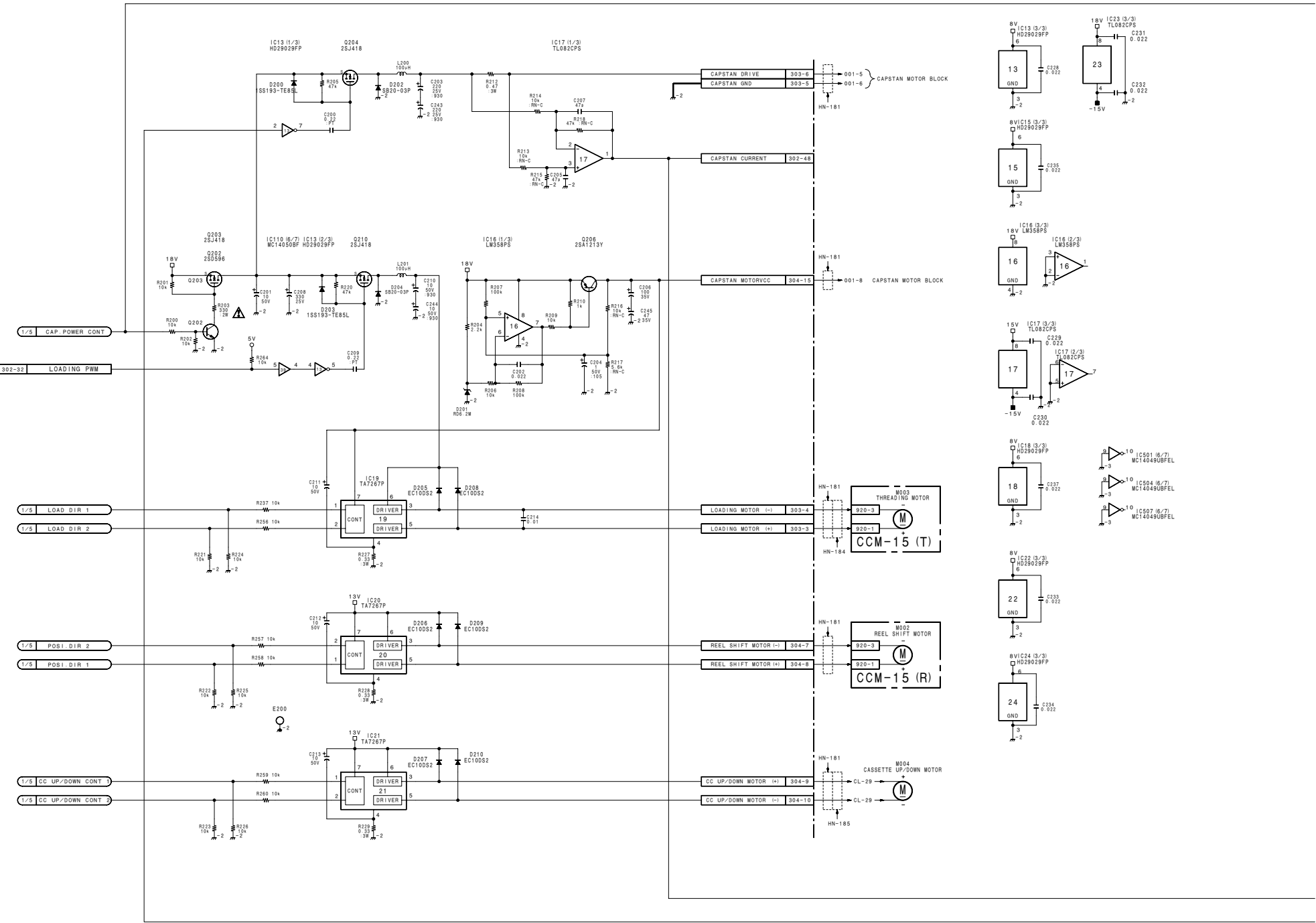
BOARD NO. 1-664-481-12
BOARD'S LOT NO. 912-
DVW-A500 (J. UC) :DR-307A MCB
DVW-A500P (EK) :DR-307A MCB
DVW-A500P (UC) :DR-307A MCB
DVW-500 (J. UC) :DR-307D MCB
DVW-500P (EK) :DR-307D MCB
DVW-500P (UC) :DR-307D MCB
DVW-A510 (J. UC) :DR-307A MCB
DVW-A510P (EK) :DR-307A MCB
DVW-510 (J. UC) :DR-307D MCB
DVW-510P (EK) :DR-307D MCB
DVW-CA510 (J. UC) :DR-307A MCB
DVW-CA510P (EK) :DR-307A MCB

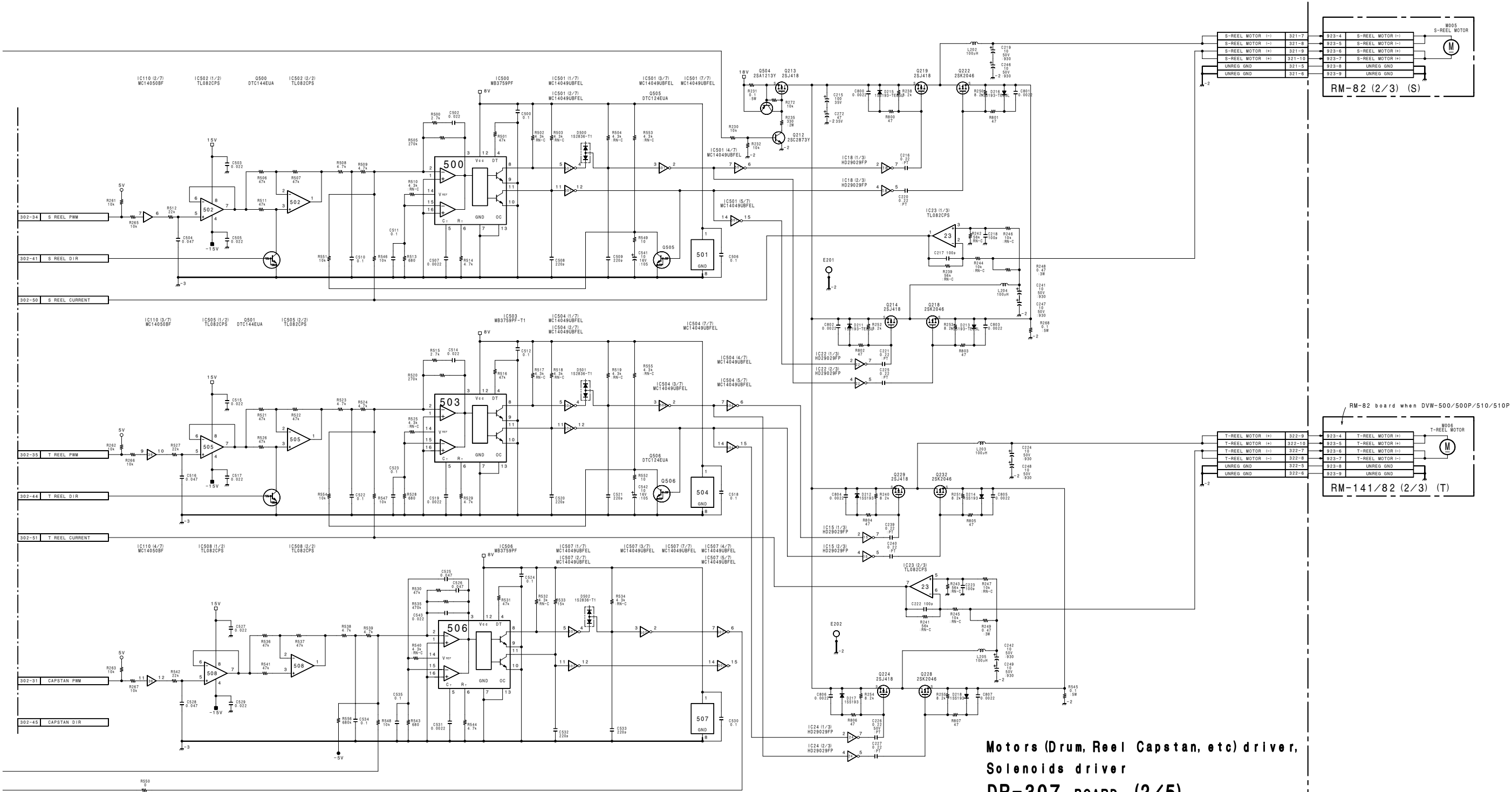
**S/T Brake Sol. Connection
RM-82 BOARD (1/3)**

BOARD NO. 1-640-166-13

**T Brake Sol. Connection
RM-141 BOARD (1/3)**

BOARD NO. 1-651-533-12





Motors (Drum, Reel Capstan, etc) driver,
Solenoids driver

DR-307 BOARD (2/5)

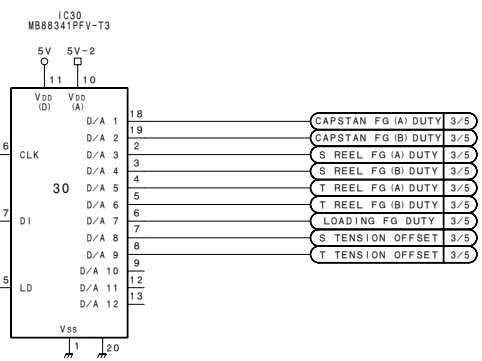
BOARD NO. 1-664-481-12
BOARD'S LOT NO. 912-
DVW-A500 (J. UC) : DR-307A MCB
DVW-A500P (EK) : DR-307A MCB
DVW-A500P (UC) : DR-307A MCB
DVW-500 (J. UC) : DR-307D MCB
DVW-500P (EK) : DR-307D MCB
DVW-500P (UC) : DR-307D MCB
DVW-A510 (J. UC) : DR-307A MCB
DVW-A510P (EK) : DR-307A MCB
DVW-510 (J. UC) : DR-307D MCB
DVW-510P (EK) : DR-307D MCB
DVW-CA510 (J. UC) : DR-307A MCB
DVW-CA510P (EK) : DR-307A MCB

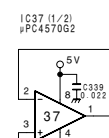
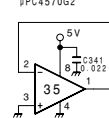
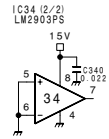
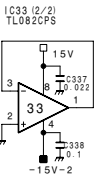
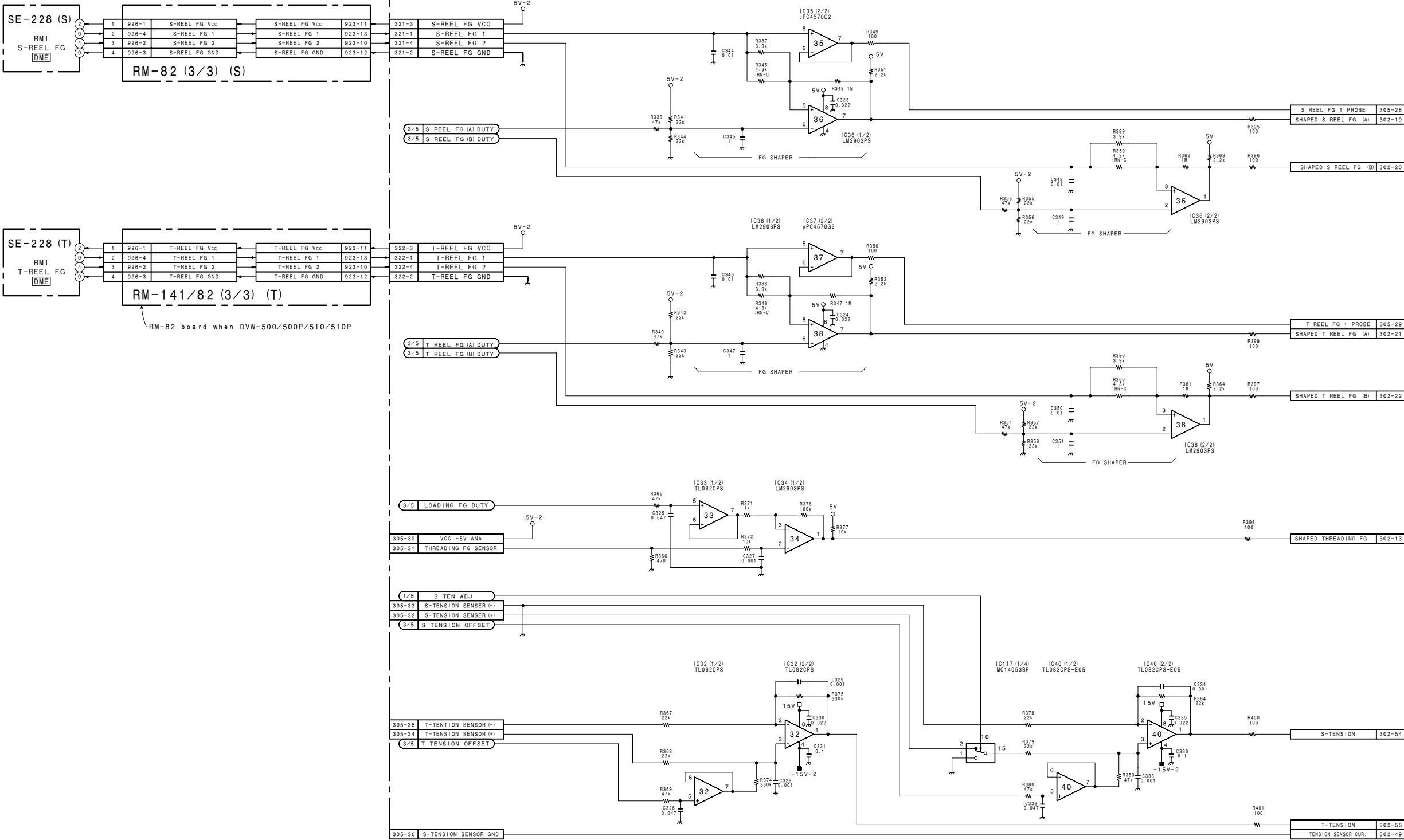
S/T Reel Motor
RM-82 BOARD (2/3)

BOARD NO. 1-640-166-13

T Reel Motor
RM-141 BOARD (2/3)

BOARD NO. 1-651-533-12





S/T Reel FG
SE-228 BOARD

BOARD NO. 1-649-617-11

S/T Reel FG Connection
RM-82 BOARD (3/3)

BOARD NO. 1-640-166-13

T Reel FG Connection
RM-141 BOARD (3/3)

BOARD NO. 1-651-533-12

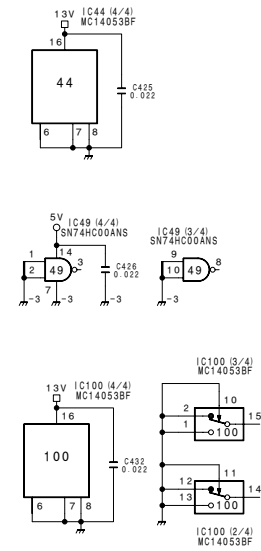
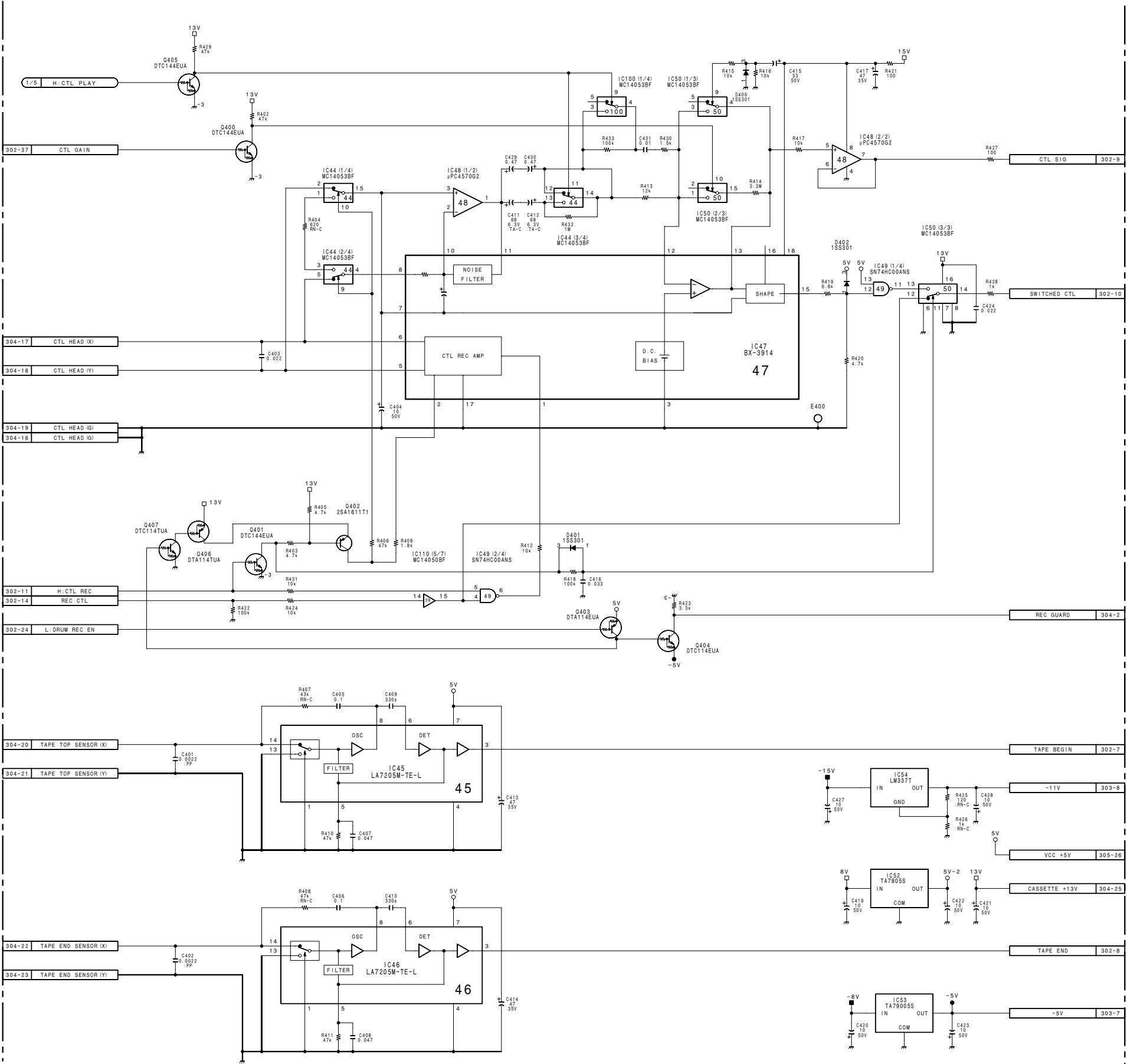
Motors (Drum, Reel Capstan,
etc) driver,
Solenoids driver

DR-307 BOARD (3/5)

BOARD NO. 1-664-481-12

BOARD'S LOT NO. 912-

- DVW-A500 (J. UC) : DR-307A MCB
- DVW-A500P (EK) : DR-307A MCB
- DVW-A500P (UC) : DR-307A MCB
- DVW-500 (J. UC) : DR-307D MCB
- DVW-500P (EK) : DR-307D MCB
- DVW-500P (UC) : DR-307D MCB
- DVW-A510 (J. UC) : DR-307A MCB
- DVW-A510P (EK) : DR-307A MCB
- DVW-510 (J. UC) : DR-307D MCB
- DVW-510P (EK) : DR-307D MCB
- DVW-CA510 (J. UC) : DR-307A MCB
- DVW-CA510P (EK) : DR-307A MCB



Motors (Drum, Reel Capstan, etc) driver,
Solenoids driver
DR-307 BOARD (4/5)

BOARD NO. 1-664-481-12
BOARD'S LOT NO. 912-
DVW-A500 (J. UC) : DR-307A MCB
DVW-A500P (EK) : DR-307A MCB
DVW-A500P (UC) : DR-307A MCB
DVW-500 (J. UC) : DR-307D MCB
DVW-500P (EK) : DR-307D MCB
DVW-500P (UC) : DR-307D MCB
DVW-A510 (J. UC) : DR-307A MCB
DVW-A510P (EK) : DR-307A MCB
DVW-510 (J. UC) : DR-307D MCB
DVW-510P (EK) : DR-307D MCB
DVW-CA510 (J. UC) : DR-307A MCB
DVW-CA510P (EK) : DR-307A MCB

DVW-A500/500

1-163 (b)

1-163 (b)

Motors (Drum, Reel Capstan, etc) driver,
Solenoids driver
DR-307 BOARD (5/5)

BOARD NO. 1-664-481-12
BOARD'S LOT NO. 912-
DVW-A500 (J. UC) : DR-307A MCB
DVW-A500P (EK) : DR-307A MCB
DVW-A500P (UC) : DR-307A MCB
DVW-A510 (J. UC) : DR-307A MCB
DVW-A510P (EK) : DR-307A MCB
DVW-CA510 (J. UC) : DR-307A MCB
DVW-CA510P (EK) : DR-307A MCB

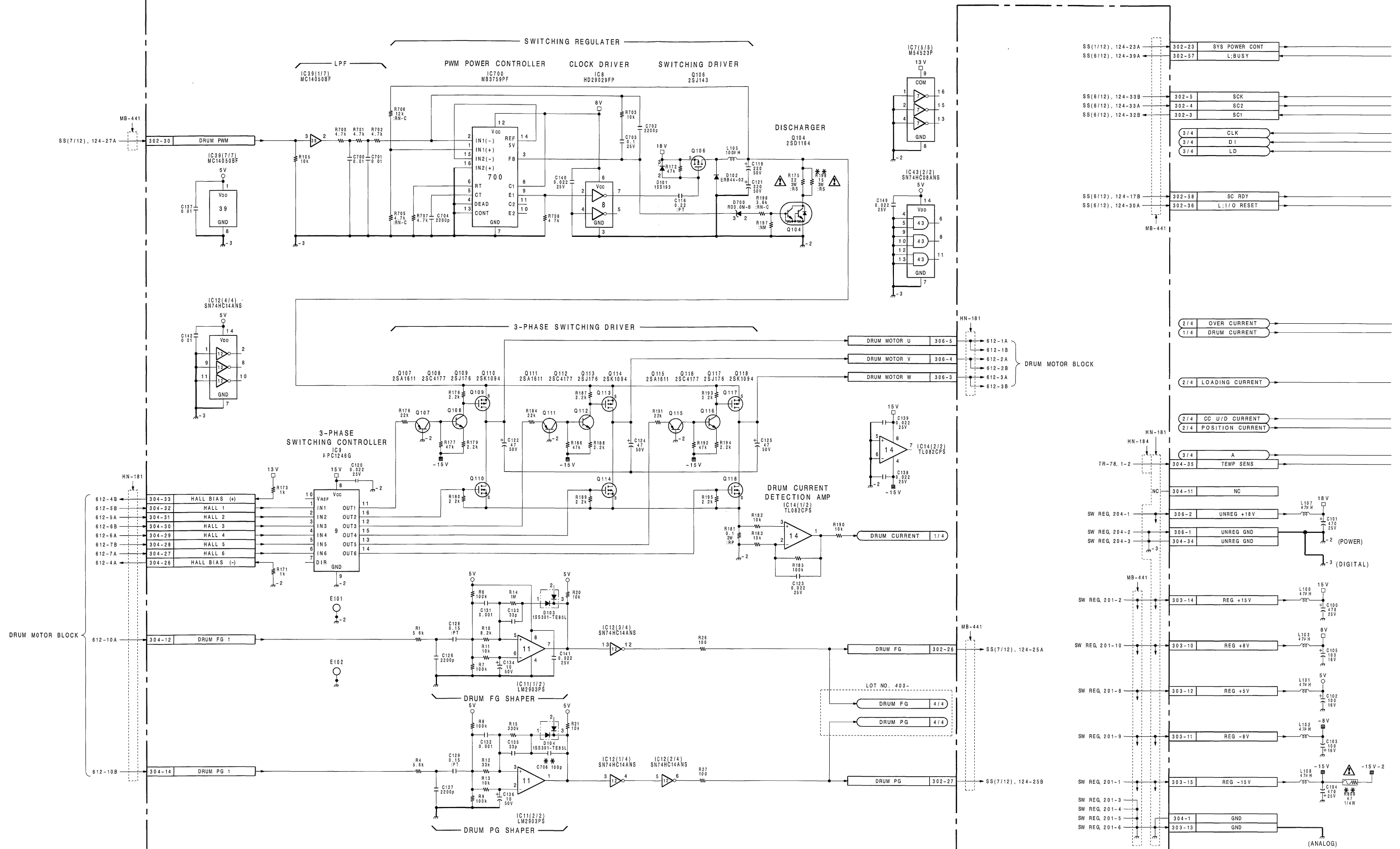
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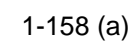


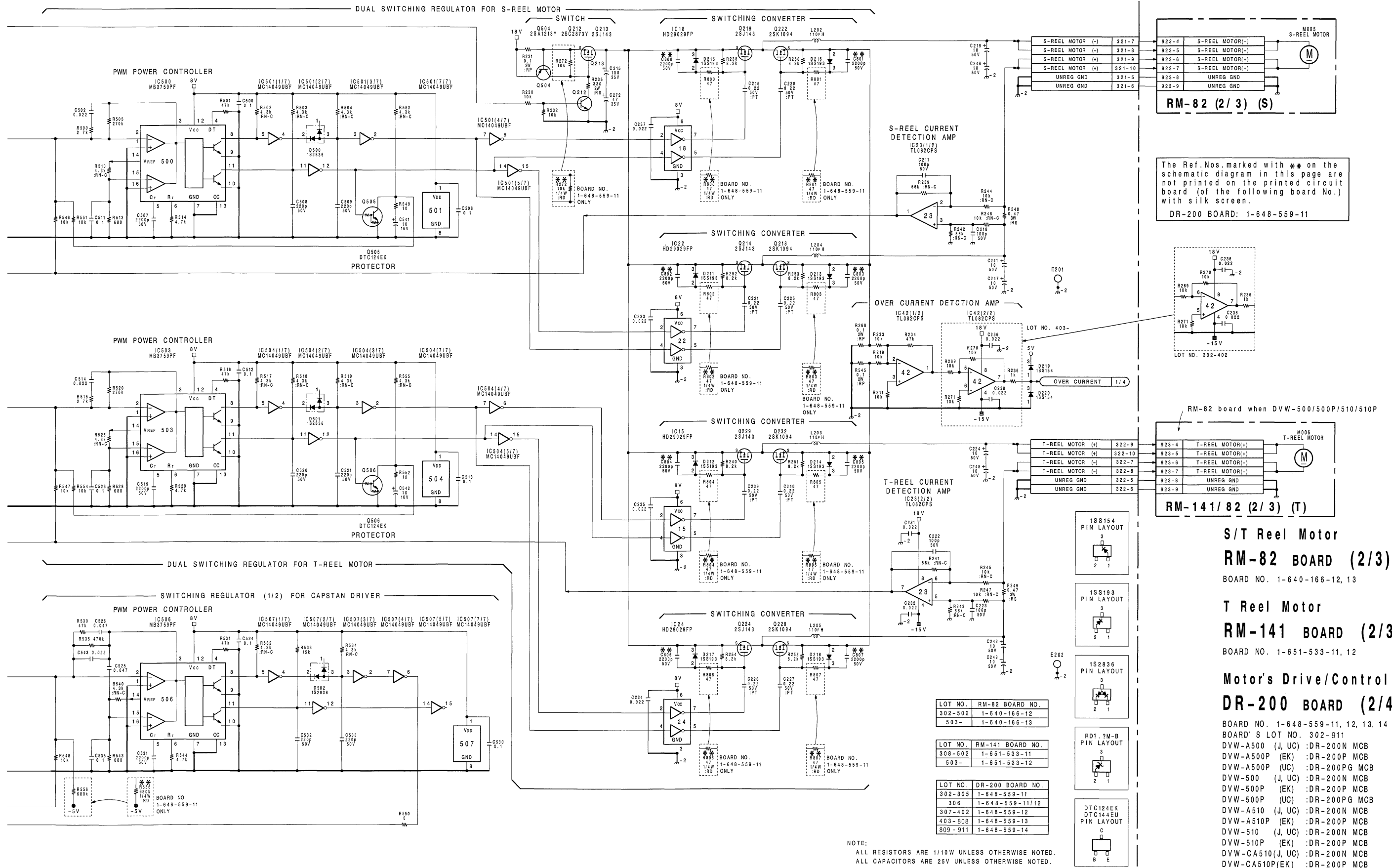
1-156 (a)

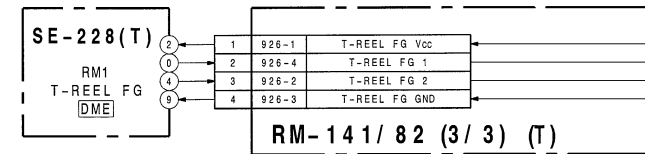
1-156 (a)

DR-200 BOARD :1-648-559-11

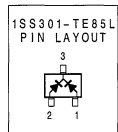
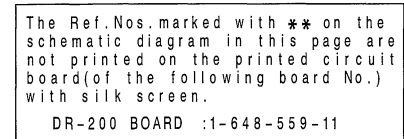








RM-82 board when DVW-500/500P/510/510P



BOARD NO. 1-649-617-11

BOARD NO. 1-640-166-12, 13

BOARD NO. 1-651-533-11, 12

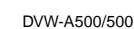
BOARD NO. 1-648-559-11, 12, 13, 14

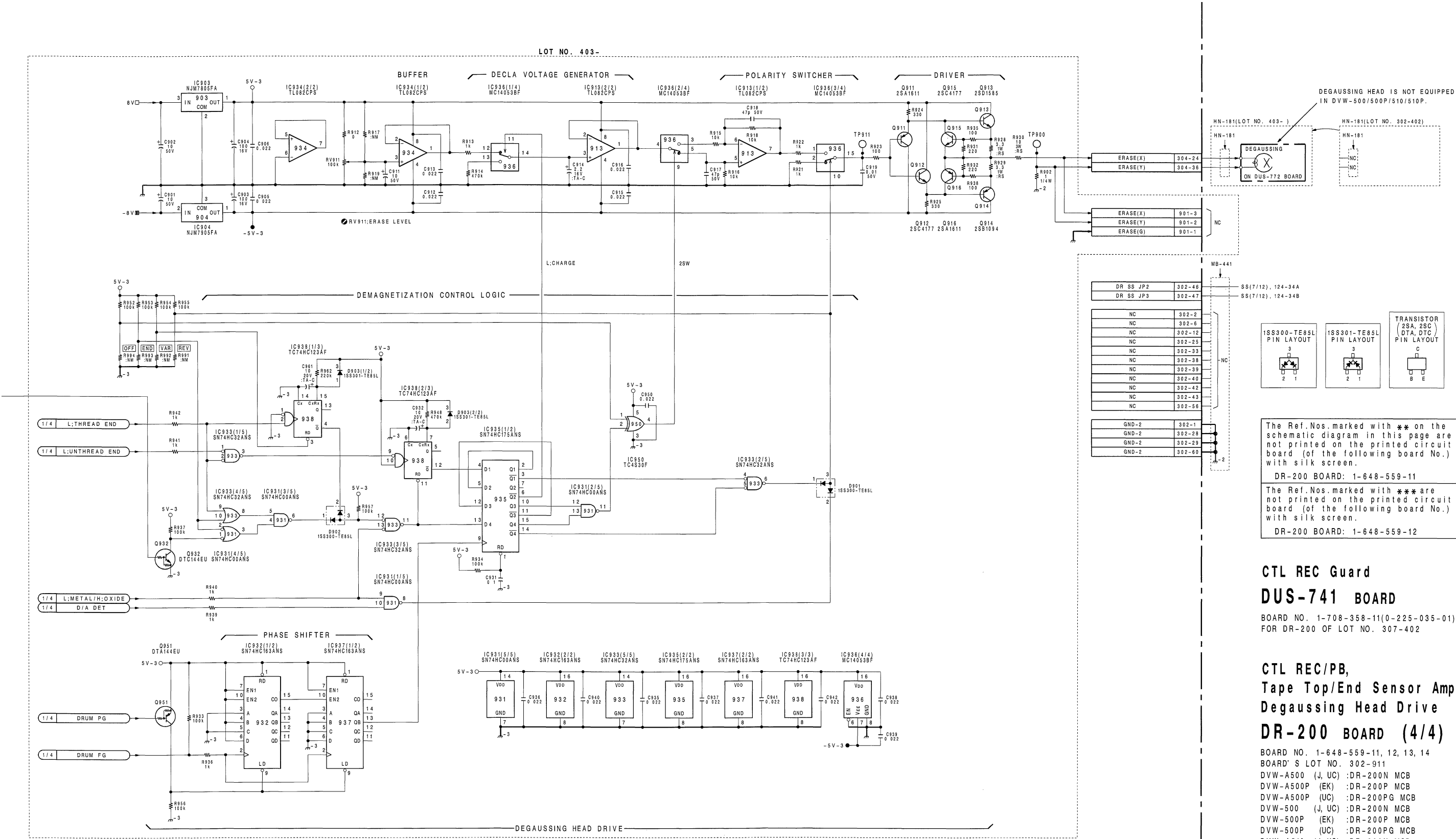
BOARD' S LOT NO. 302-911

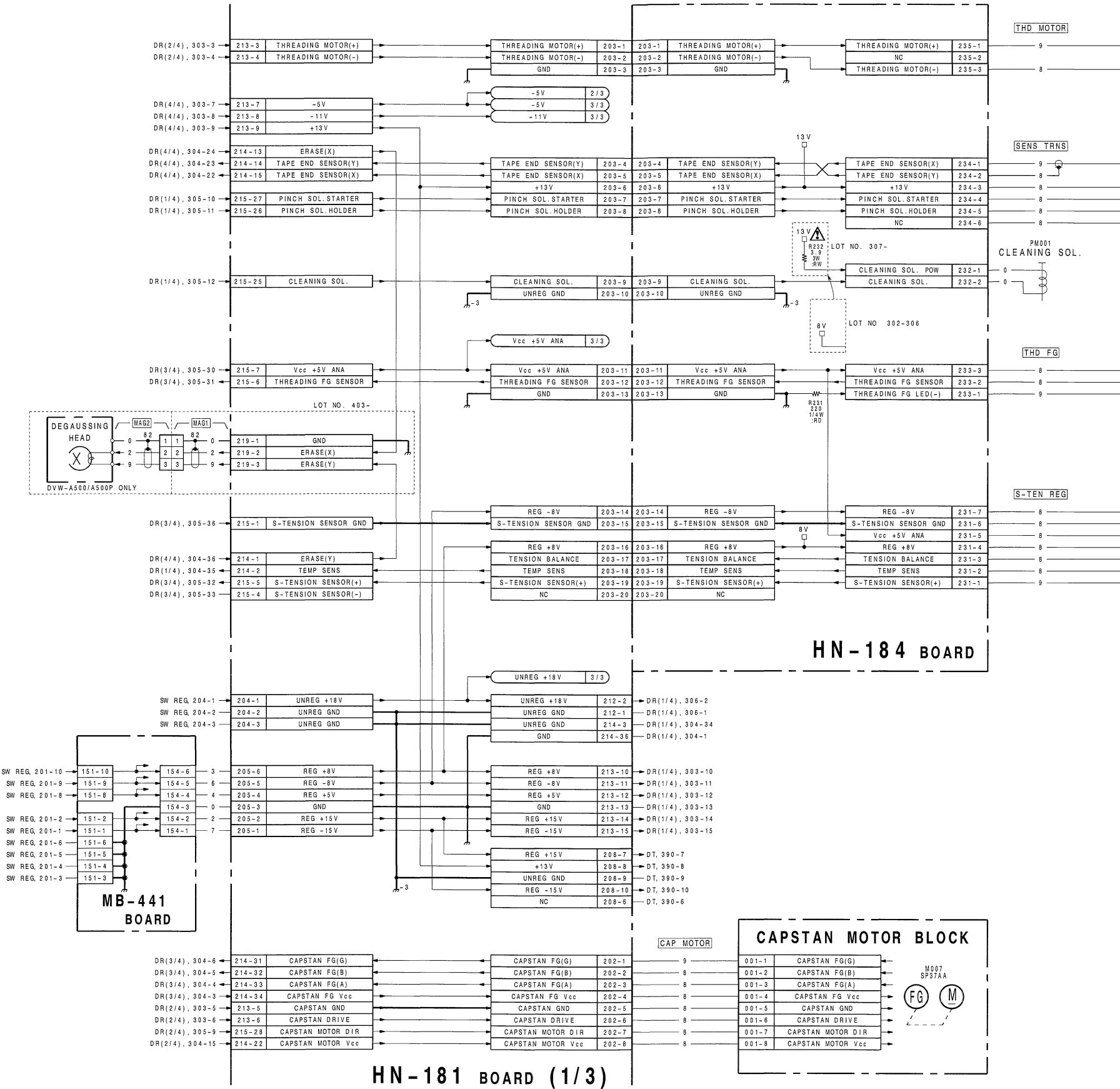
DVW-A500	(J, UC)	:DR-200N	MCB
DVW-A500P	(EK)	:DR-200P	MCB
DVW-A500P	(UC)	:DR-200P G	MCB
DVW-500	(J, UC)	:DR-200N	MCB
DVW-500P	(EK)	:DR-200P	MCB
DVW-500P	(UC)	:DR-200P G	MCB
DVW-A510	(J, UC)	:DR-200N	MCB
DVW-A510P	(EK)	:DR-200P	MCB
DVW-510	(J, UC)	:DR-200N	MCB
DVW-510P	(EK)	:DR-200P	MCB
DVW-CA510(J, UC)		:DR-200N	MCB
DVW-CA510P(EK)		:DR-200P	MCB

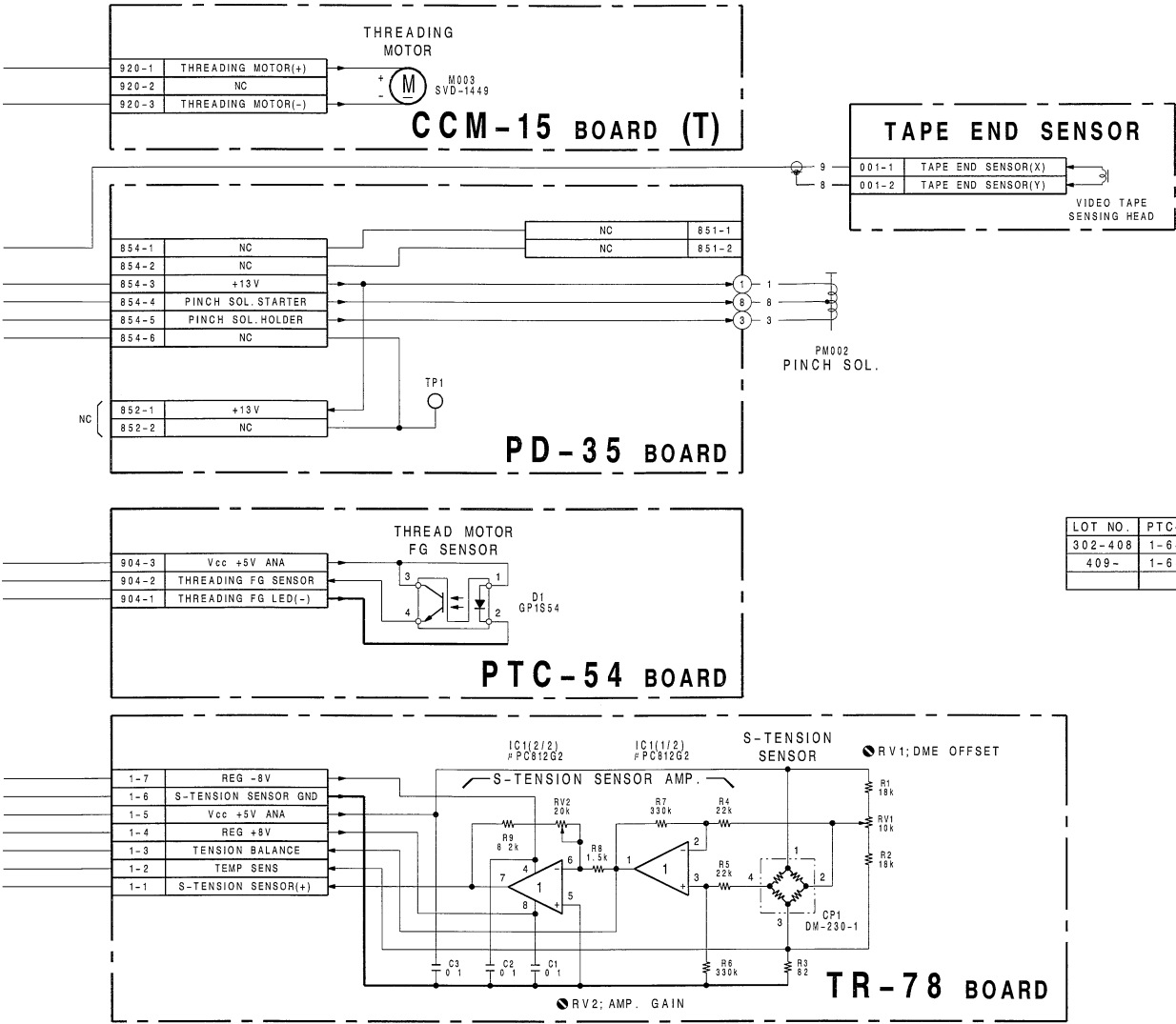
DVW-DR200-ALL-ALL-S/M-06

NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.









LOT NO.	PTC-54 BOARD NO.
302-408	1-640-163-11
409-	1-640-163-12

LOT NO.	BOARD NO.	
	HN-181	HN-184
302-306	1-648-561-11	1-648-562-11
307-402	1-648-561-12	1-648-562-12
403-	1-648-561-13	1-648-562-13

S-Tension Sensor

TR-78 BOARD

BOARD NO. 1-648-564-11

ALL DVWs :TR-78 MCB

Threading FG

PTC-54 BOARD

BOARD NO. 1-640-163-11, 12

ALL DVWs :PTC-54 MCB

Pinch Solenoid Connection

PD-35 BOARD

BOARD NO. 1-622-596-11

ALL DVWs

Threading Motor

CCM-15 BOARD (T)

BOARD NO. 1-648-570-11

ALL DVWs

Connection Board

HN-184 BOARD

BOARD NO. 1-648-562-11, 12, 13

BOARD' S LOT NO. 302-

ALL DVWs :HN-184 MCB

Connection

HN-181 BOARD (1/3)

BOARD NO. 1-648-561-11, 12, 13

BOARD' S LOT NO. 302-

DVW-A500 (J, UC) :HN-181 MCB

DVW-A500P (EK) :HN-181 MCB

DVW-A500P (UC) :HN-181 MCB

DVW-500 (J, UC) :HN-181 MCB

DVW-500P(EK, UC) :HN-181 MCB

DVW-A510 (J, UC) :HN-181B MCB

DVW-A510P (EK) :HN-181B MCB

DVW-510 (J, UC) :HN-181B MCB

DVW-510P (EK) :HN-181B MCB

DVW-CA510(J, UC) :HN-181B MCB

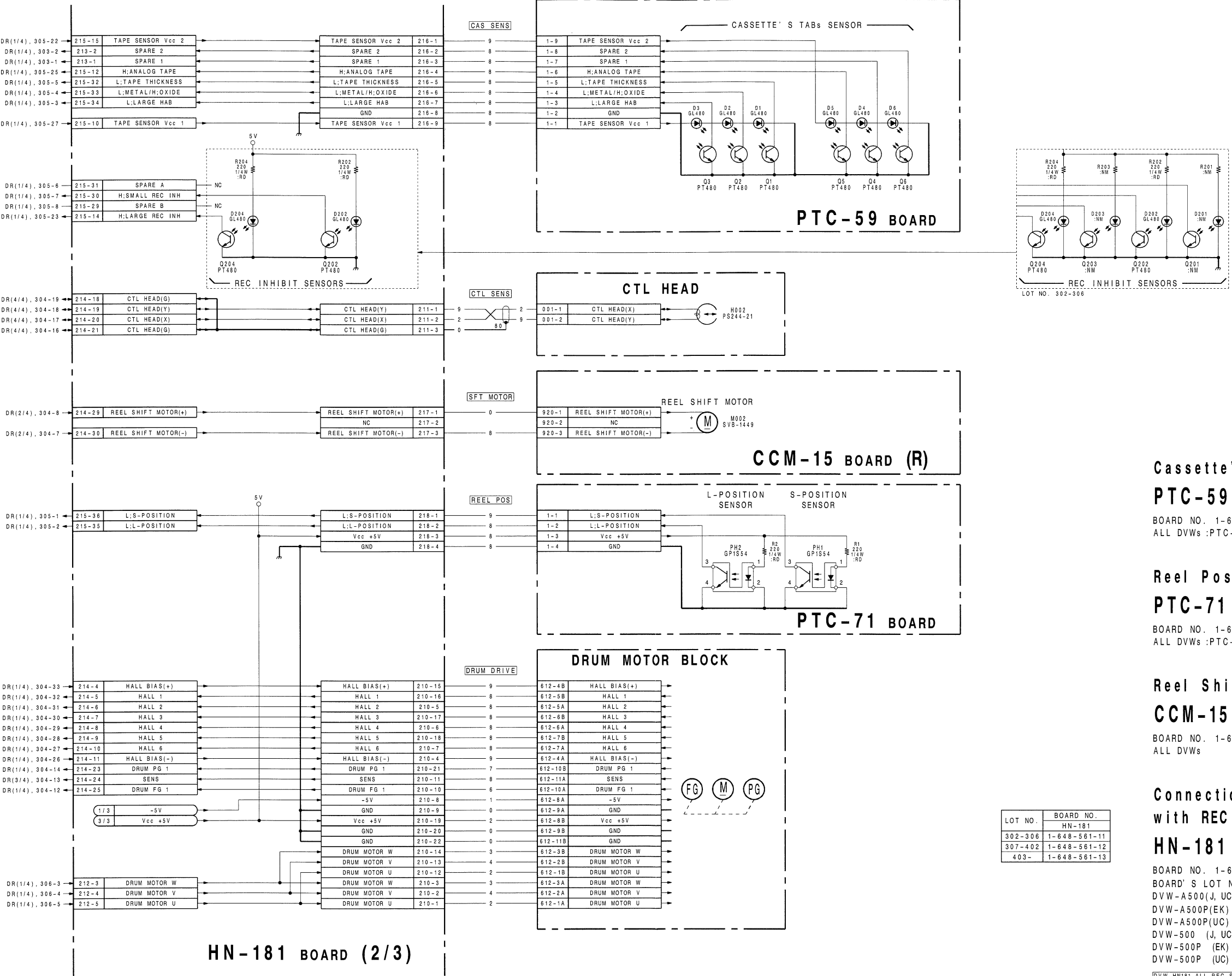
DVW-CA510P(EK) :HN-181B MCB

DVW-HN181-ALL-REC-S/M-05

NOTE:

ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.

ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



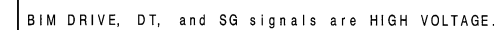
Cassette' s Tabs Sensor
PTC-59 BOARD
BOARD NO. 1-648-567-11
ALL DVWs :PTC-59 MCB

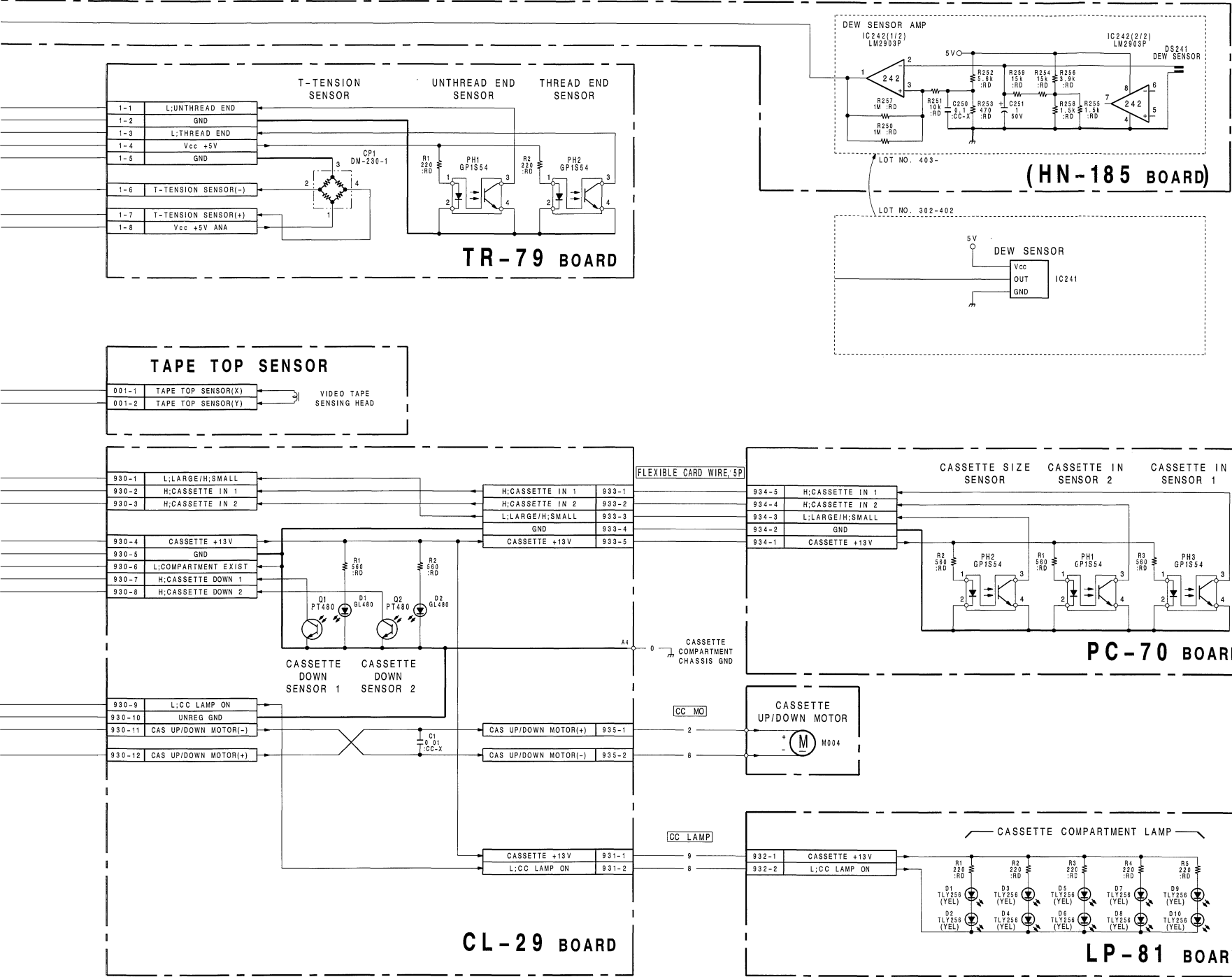
Reel Position Sensor
PTC-71 BOARD
BOARD NO. 1-648-569-11
ALL DVWs :PTC-71 MCB

Reel Shift Motor
CCM-15 BOARD (R)
BOARD NO. 1-648-570-11
ALL DVWs

Connection Board
with REC Inhibit Sensor
HN-181 BOARD (2/3)
BOARD NO. 1-648-561-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :HN-181 MCB
DVW-A500P(EK) :HN-181 MCB
DVW-A500P(UC) :HN-181 MCB
DVW-500 (J, UC) :HN-181 MCB
DVW-500P (EK) :HN-181 MCB
DVW-500P (UC) :HN-181 MCB

DVW-HN181-ALL-REC-S7M-04





T-Tension Sensor, Thread/Unthread-End Sensor

TR-79 BOARD

BOARD NO. 1-648-565-11
ALL DVWs:TR-79 MCB

Cassette-In Sensor, Cassette Down Sensor

PC-70 BOARD

BOARD NO. 1-648-571-11,12
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :PC-70 MCB
DVW-A500P (EK) :PC-70 MCB
DVW-A500P (UC) :PC-70 MCB
DVW-500 (J, UC) :PC-70 MCB
DVW-500P(EK, UC) :PC-70 MCB
DVW-A510 (J, UC) :PC-70 MCB
DVW-A510P (EK) :PC-70 MCB
DVW-510 (J, UC) :PC-70 MCB
DVW-510P (EK) :PC-70 MCB

Cassette Up/Down Motor, Cassette Down Sensor

CL-29 BOARD

BOARD NO. 1-648-572-11
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :CL-29 MCB
DVW-A500P (EK) :CL-29 MCB
DVW-A500P (UC) :CL-29 MCB
DVW-500 (J, UC) :CL-29 MCB
DVW-500P(EK, UC) :CL-29 MCB
DVW-A510 (J, UC) :CL-29 MCB
DVW-A510P (EK) :CL-29 MCB
DVW-510 (J, UC) :CL-29 MCB
DVW-510P (EK) :CL-29 MCB

Lamp of Compartment

LP-81 BOARD

BOARD NO. 1-648-573-11
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :LP-81 MCB
DVW-A500P (EK) :LP-81 MCB
DVW-A500P (UC) :LP-81 MCB
DVW-500 (J, UC) :LP-81 MCB
DVW-500P(EK, UC) :LP-81 MCB
DVW-A510 (J, UC) :LP-81 MCB
DVW-A510P (EK) :LP-81 MCB
DVW-510 (J, UC) :LP-81 MCB
DVW-510P (EK) :LP-81 MCB

Connection Board with Dew Sensor

HN-185 BOARD

BOARD NO. 1-648-563-11, 12, 14
BOARD' S LOT NO. 302-
ALL DVWs :HN-185 MCB

Connection

HN-181 BOARD (3/3)

BOARD NO. 1-648-561-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :HN-181 MCB
DVW-A500P (EK) :HN-181 MCB
DVW-A500P (UC) :HN-181 MCB
DVW-500 (J, UC) :HN-181 MCB
DVW-500P(EK, UC) :HN-181 MCB
DVW-A510 (J, UC) :HN-181B MCB
DVW-A510P (EK) :HN-181B MCB
DVW-510 (J, UC) :HN-181B MCB
DVW-510P (EK) :HN-181B MCB
DVW-CA510(J, UC) :HN-181B MCB
DVW-CA510P(EK) :HN-181B MCB

DVW-HN181-ALL-REC-S/M-04

NOTE:
ALL RESISTORS ARE 1/4W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

LOT NO.	BOARD NO.	
	HN-181	HN-185
302-306	1-648-561-11	1-648-563-11
307-402	1-648-561-12	1-648-563-12
403-	1-648-561-13	1-648-563-14

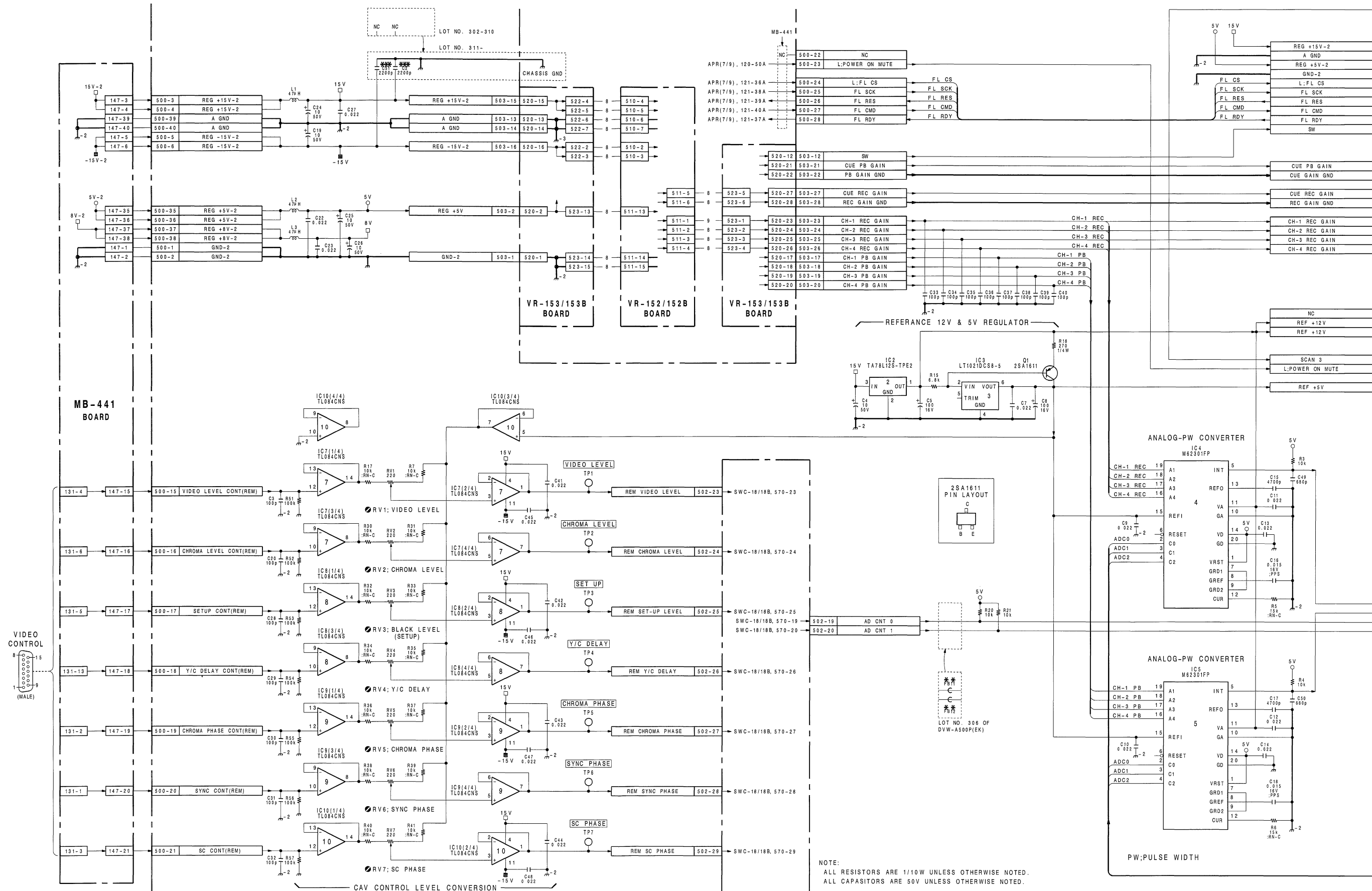
1

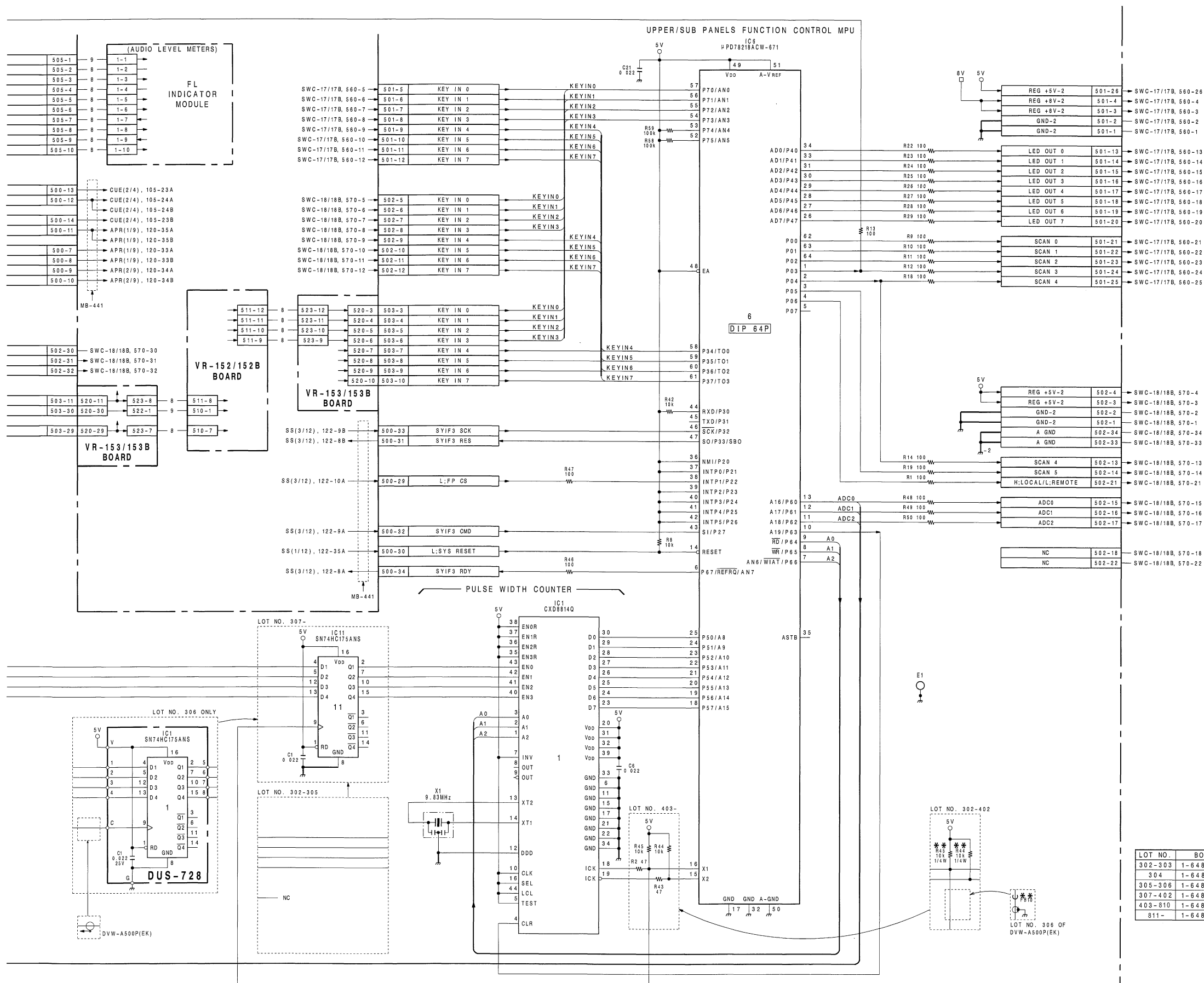
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The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.

FP-58 BOARD: 1-648-551-11
FP-58B BOARD: 1-648-551-21

The Ref.Nos.marked with *** are not printed on the printed circuit boards (of the following board No.) with silk screen.

FP-58 BOARD: 1-648-551-11, 12
FP-58B BOARD: 1-648-551-21, 22

DUS-728 BOARD

BOARD NO. 1-651-012-11
FOR FP-58 BOARD (LOT NO.306 ONLY)

Sub/Upper Control Panels
Function(SWs, LEDs) Control,
CAV Control Level Conversion

FP-58/58B BOARD

BOARD NO. 1-648-551-11, 12, 13, 14/22, 23, 24

BOARD'S LOT NO. 302-

DVW-A500 (J, UC) :FP-58 MCB

DVW-A500P (EK) :FP-58 MCB

DVW-A500P (UC) :FP-58 MCB

DVW-500 (J, UC) :FP-58 MCB

DVW-500P(EK, UC) :FP-58 MCB

DVW-A510 (J, UC) :FP-58B MCB

DVW-A510P (EK) :FP-58B MCB

DVW-510 (J, UC) :FP-58B MCB

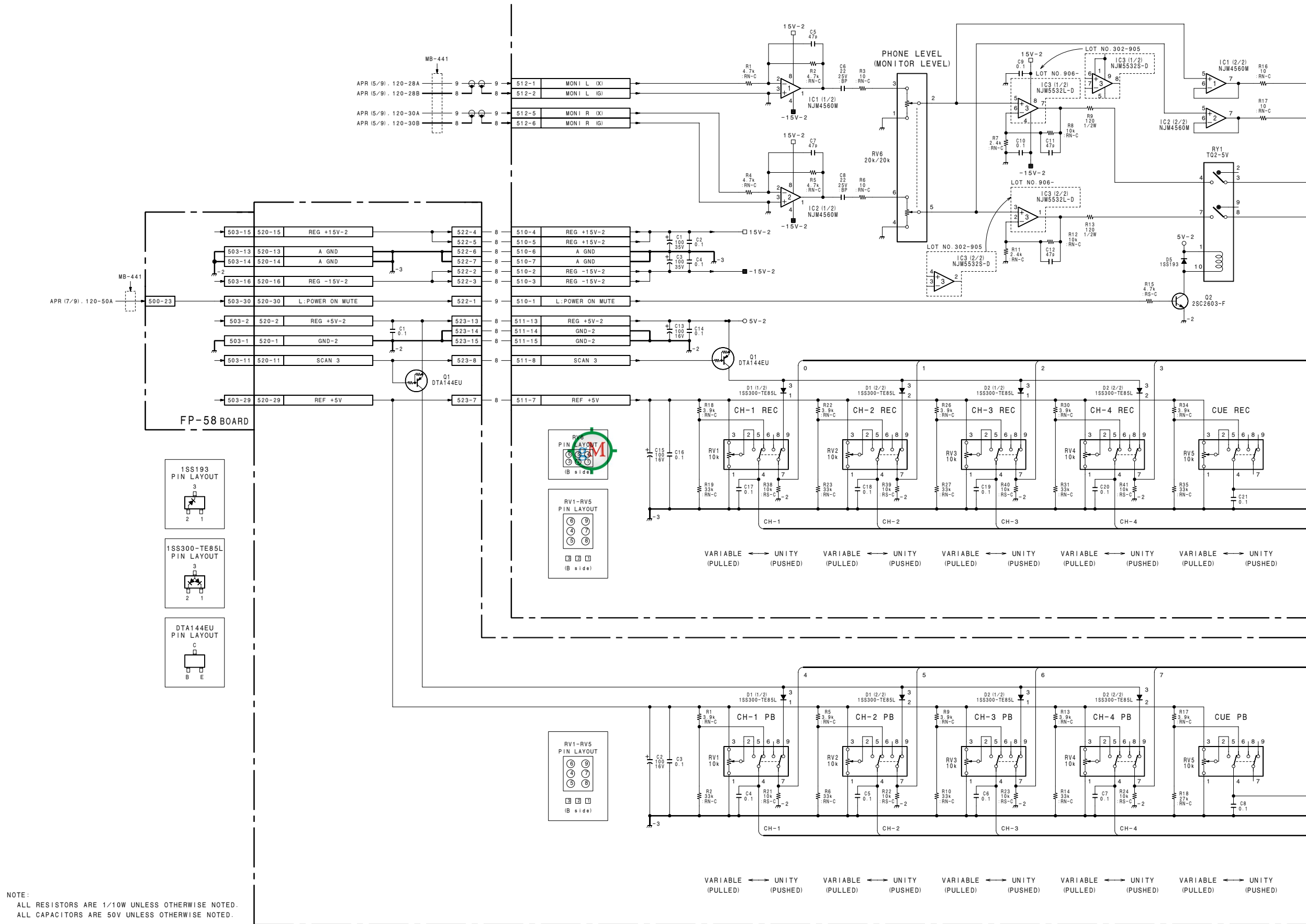
DVW-510P (EK) :FP-58B MCB

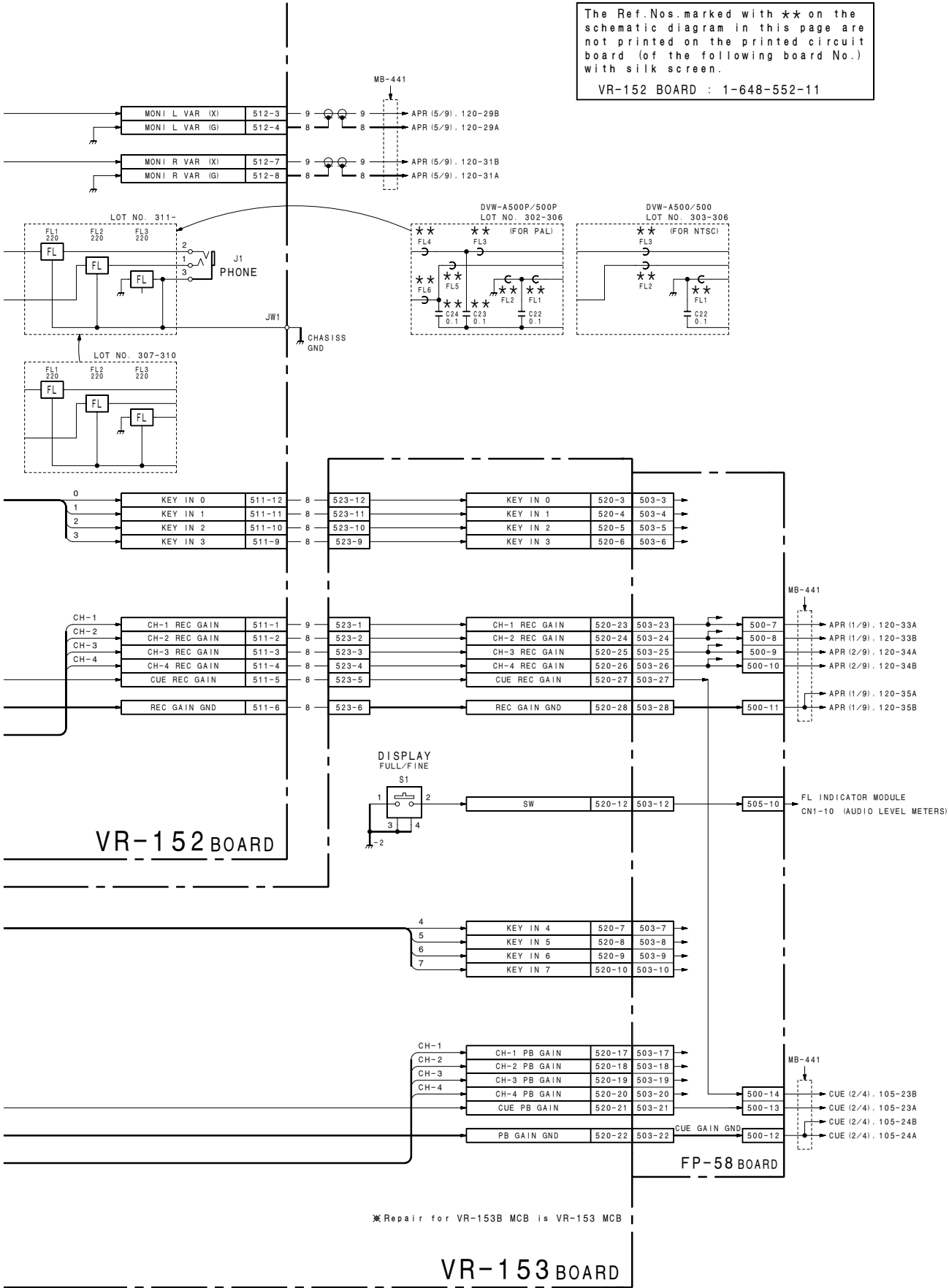
DVW-CA510(J, UC) :FP-58B MCB

DVW-CA510P(EK) :FP-58B MCB

Repair for FP-58B MCB is FP-58 MCB

©VW-FP58-ALL-ALL-S/M-03





LOT NO.	BOARD NO.	
	VR-152	VR-153
302-306	1-648-552-11	1-648-553-11
307-402	1-648-552-12	
403-	1-648-552-13	1-648-553-12

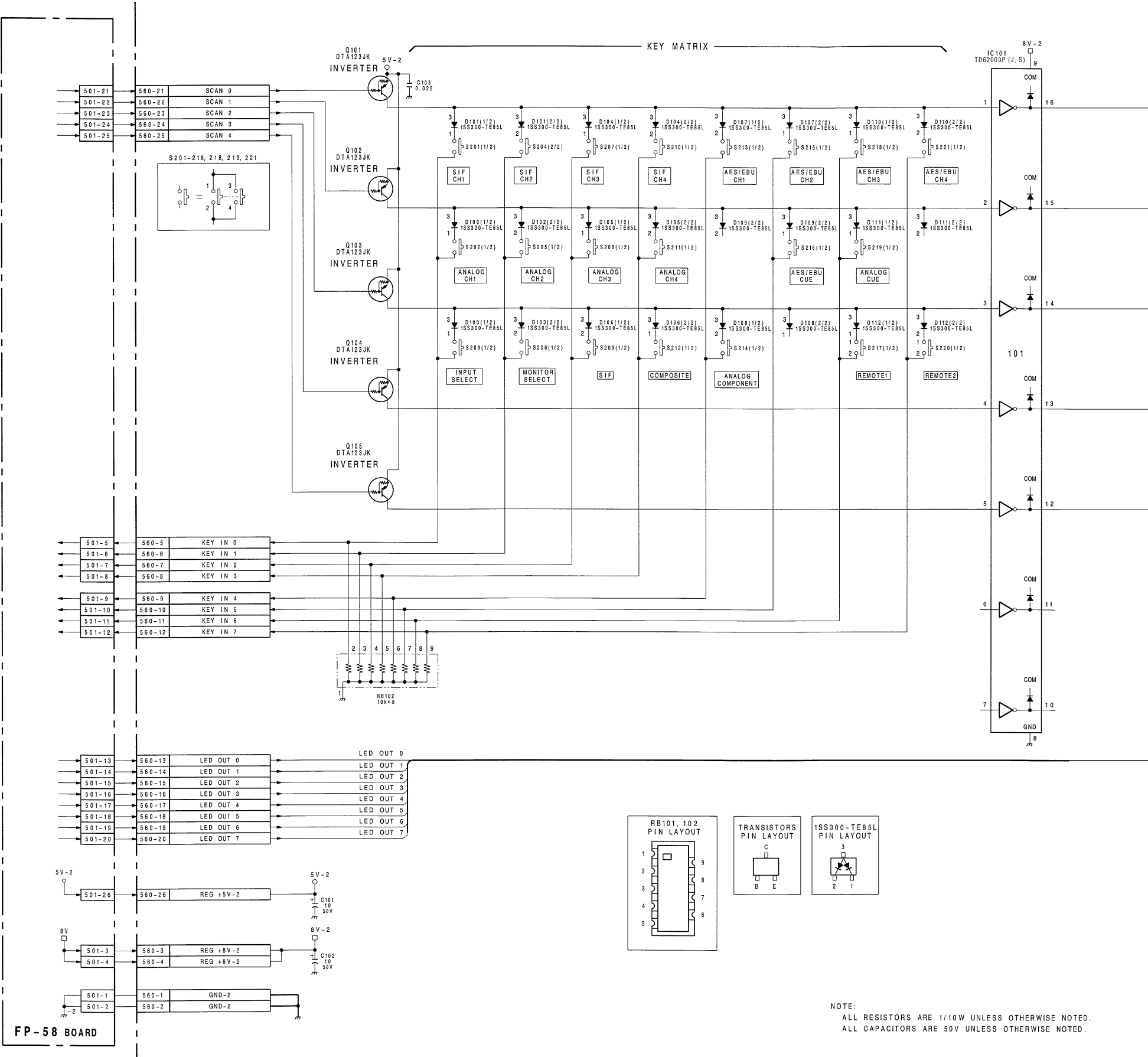
Audio REC Level VRs,
Phone Level VR,
Phone Connector
VR-152 BOARD

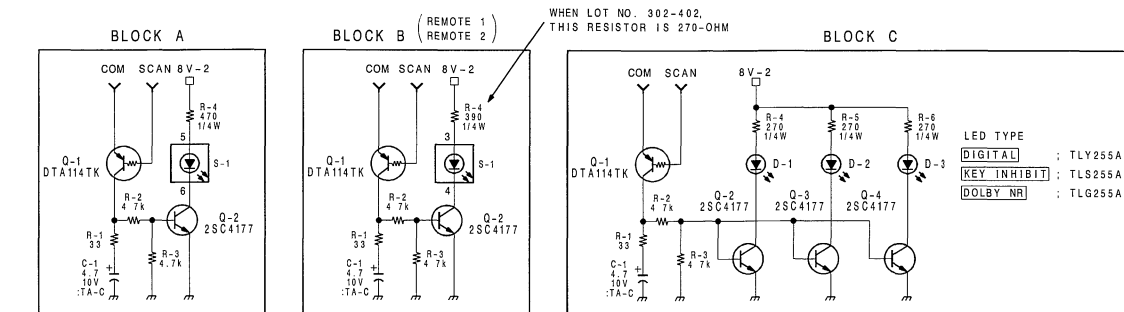
BOARD NO. 1-648-552-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : VR-152 MCB
DVW-A500P (EK) : VR-152 MCB
DVW-A500P (UC) : VR-152 MCB
DVW-500 (J, UC) : VR-152 MCB
DVW-500P (EK) : VR-152 MCB
DVW-500P (UC) : VR-152 MCB

Audio PB Level VRs,
VR-153 BOARD

BOARD NO. 1-648-553-11, 12
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : VR-153 MCB
DVW-A500P (EK) : VR-153 MCB
DVW-A500P (UC) : VR-153 MCB
DVW-500 (J, UC) : VR-153 MCB
DVW-500P (EK) : VR-153 MCB
DVW-500P (UC) : VR-153 MCB

DVW-VR152-ALL-REC-S/M-04





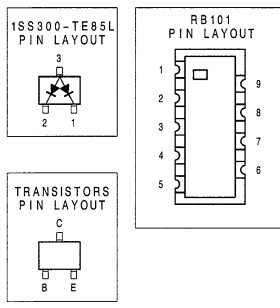
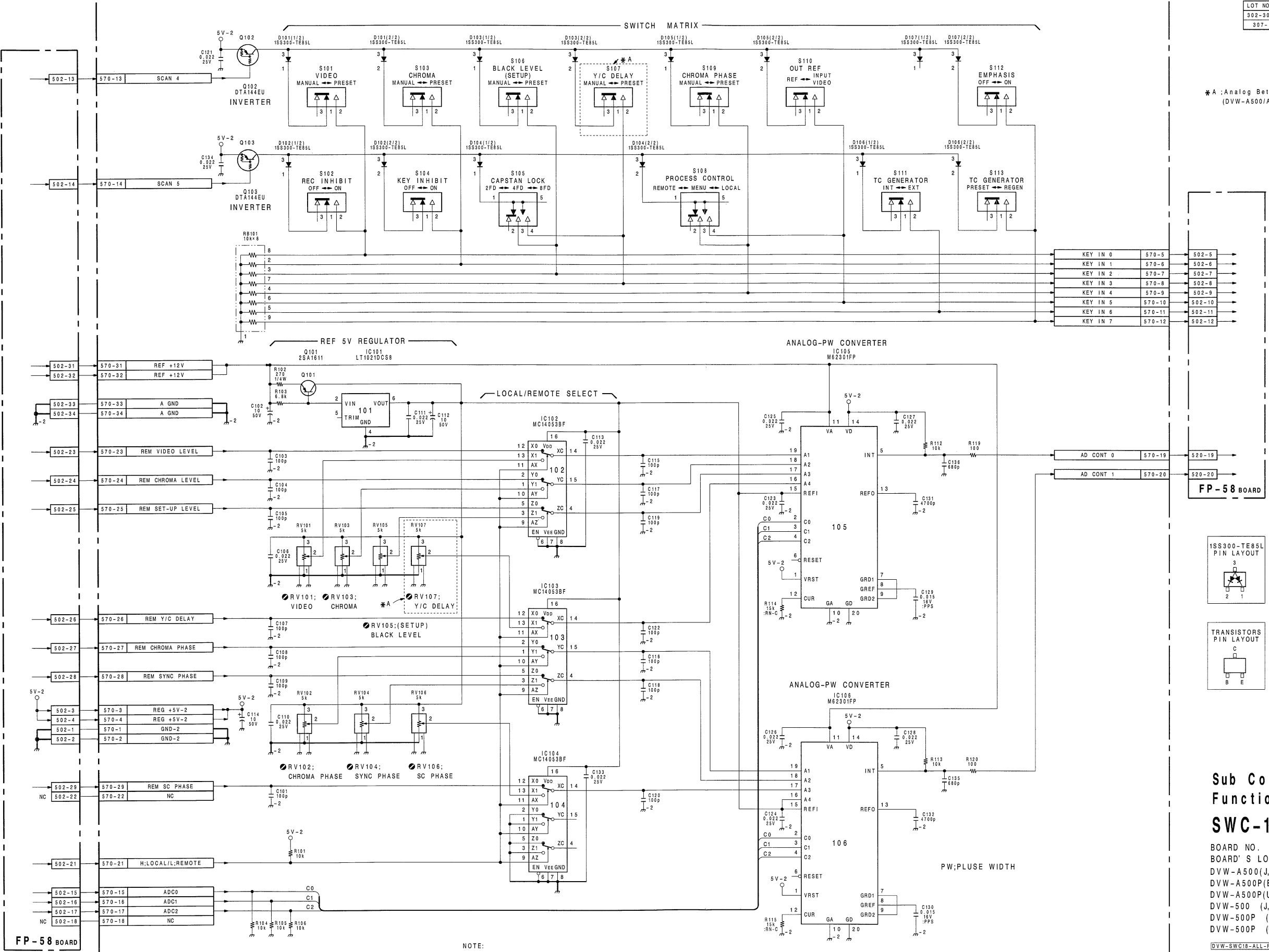
Upper Panel Function(SWs, LEDs)

SWC-17 BOARD

DVW-SWC17-ALL-REC-S/M-04

LOT NO.	BOARD NO.
302-306	1-648-549-11
307-	1-648-549-12

*A: Analog Betacam PB models only
(DVW-A500/A500P)

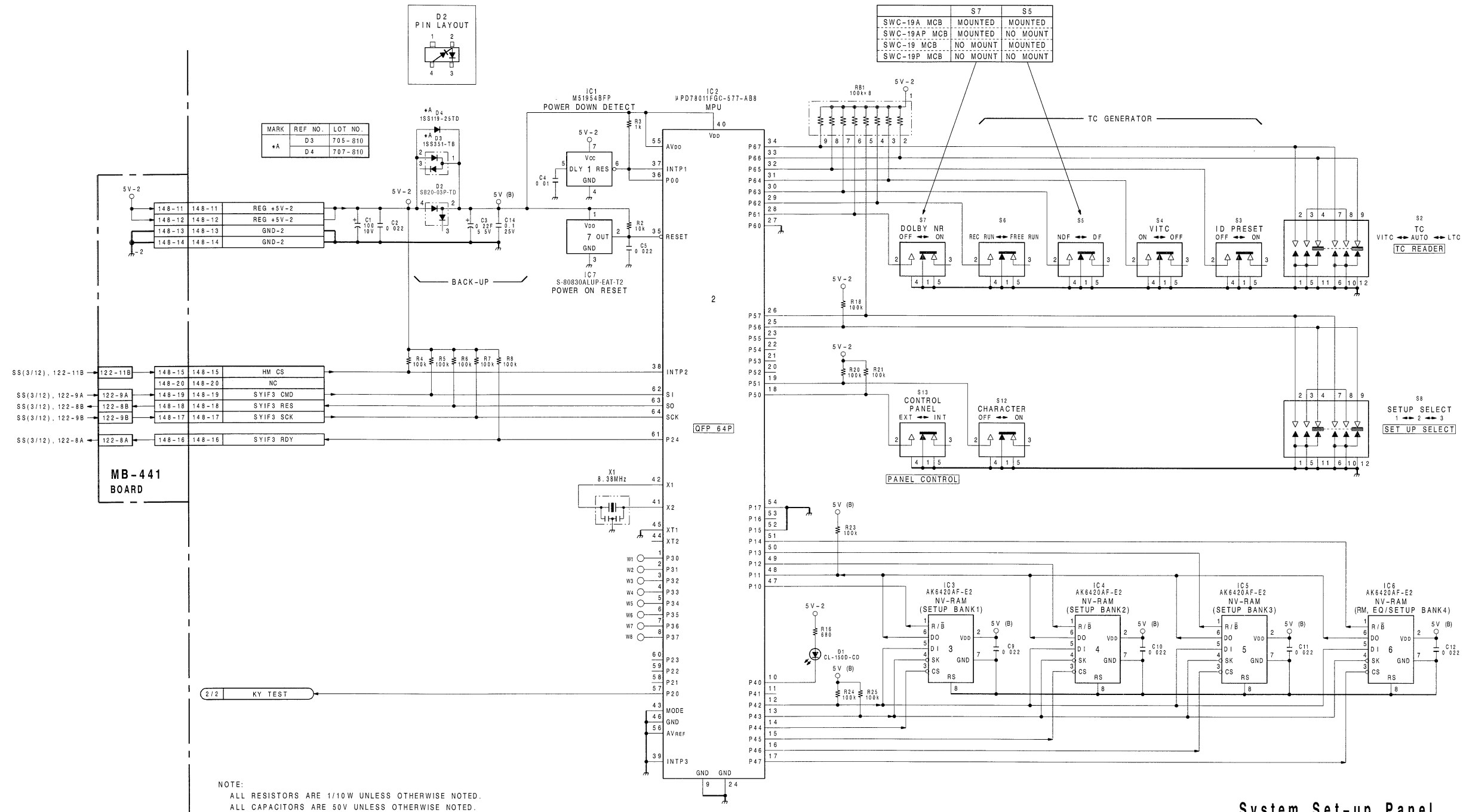


Sub Control Panel Function SWC-18 BOARD

BOARD NO. 1-648-549-11, 12
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :SWC-18A MCB
DVW-A500P(EK) :SWC-18A MCB
DVW-A500P(UC) :SWC-18A MCB
DVW-500 (J, UC) :SWC-18 MCB
DVW-500P (EK) :SWC-18 MCB
DVW-500P (UC) :SWC-18 MCB

(DVW-SWC18-ALL-REG-S/M-04)

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



System Set-up Panel Function Control SWC-19 BOARD (1/2)

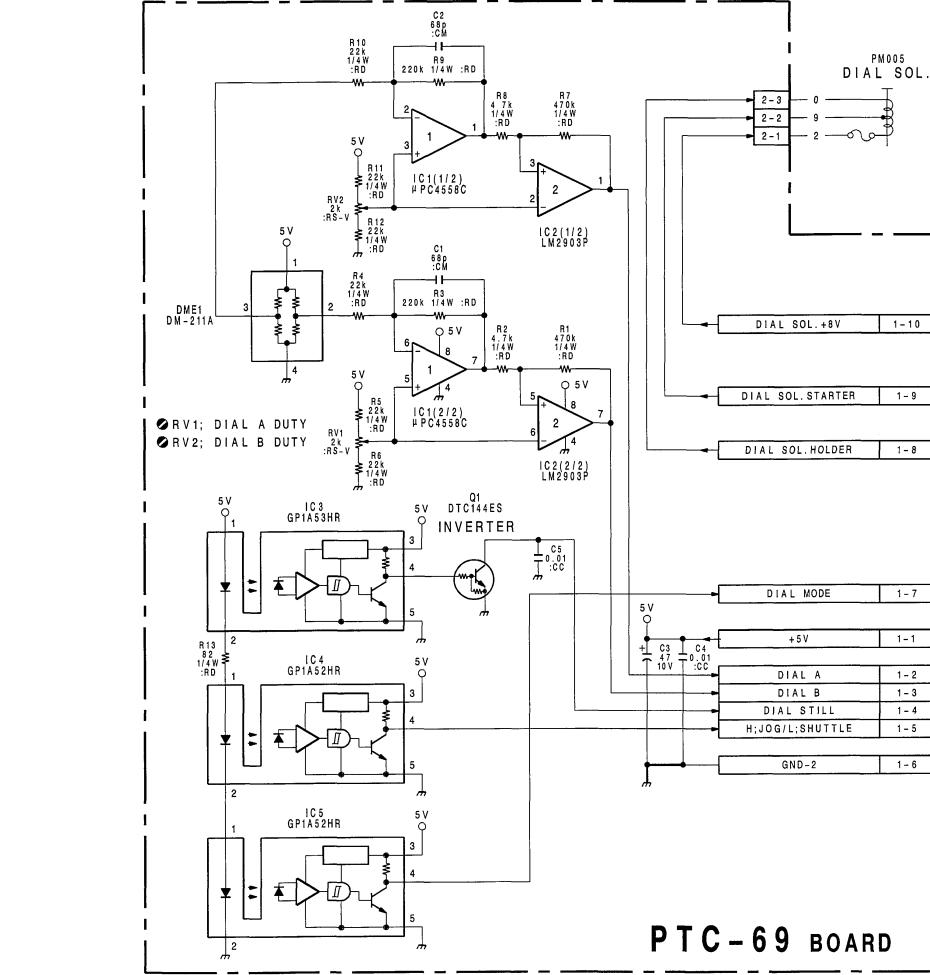
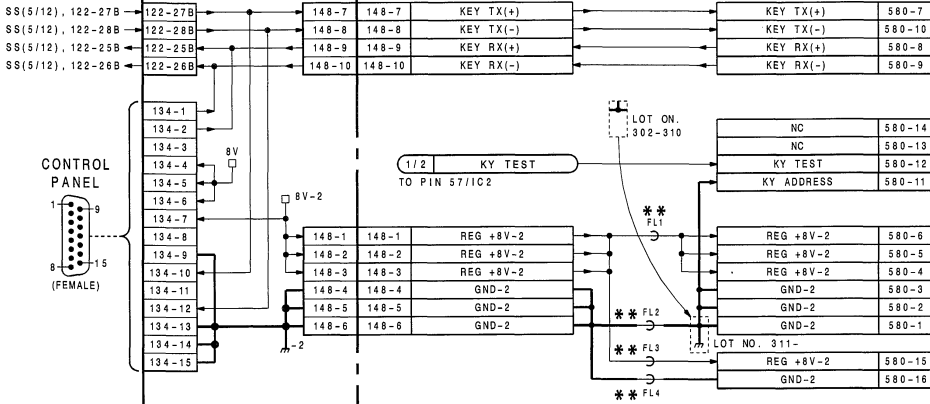
LOT NO.	BOARD NO.
302-306	1-648-550-11
307-402	1-648-550-12
403-704	1-648-550-13
705-	1-648-550-14

BOARD NO. 1-648-550-11, 12, 13, 14
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :SWC-19A MCB
DVW-A500P(EK) :SWC-19AP MCB
DVW-A500P(UC) :SWC-19AP MCB
DVW-500 (J, UC) :SWC-19 MCB
DVW-500P (EK) :SWC-19P MCB
DVW-500P (UC) :SWC-19P MCB

DVW-SWC19-ALL-REC-S/M-05

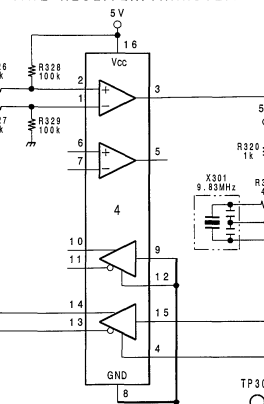
SWC-19 BOARD (2/2)

MB-441 BOARD

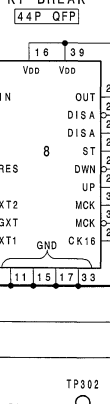


NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

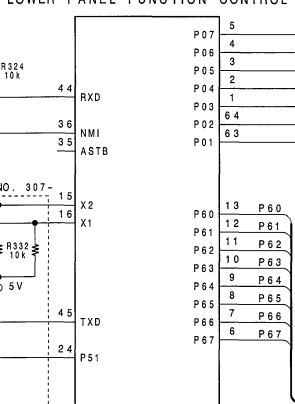
LINE RECEIVER/TRANSMITTER



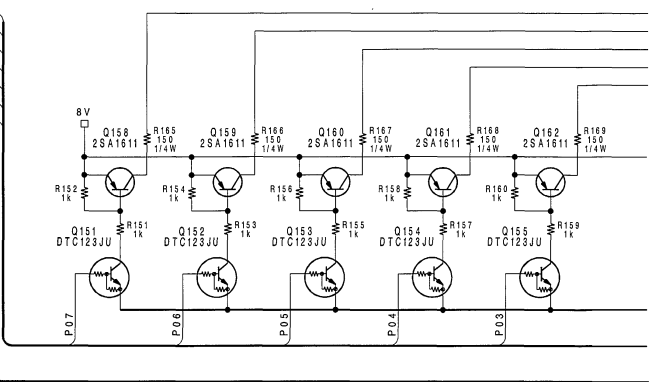
KY BREAK



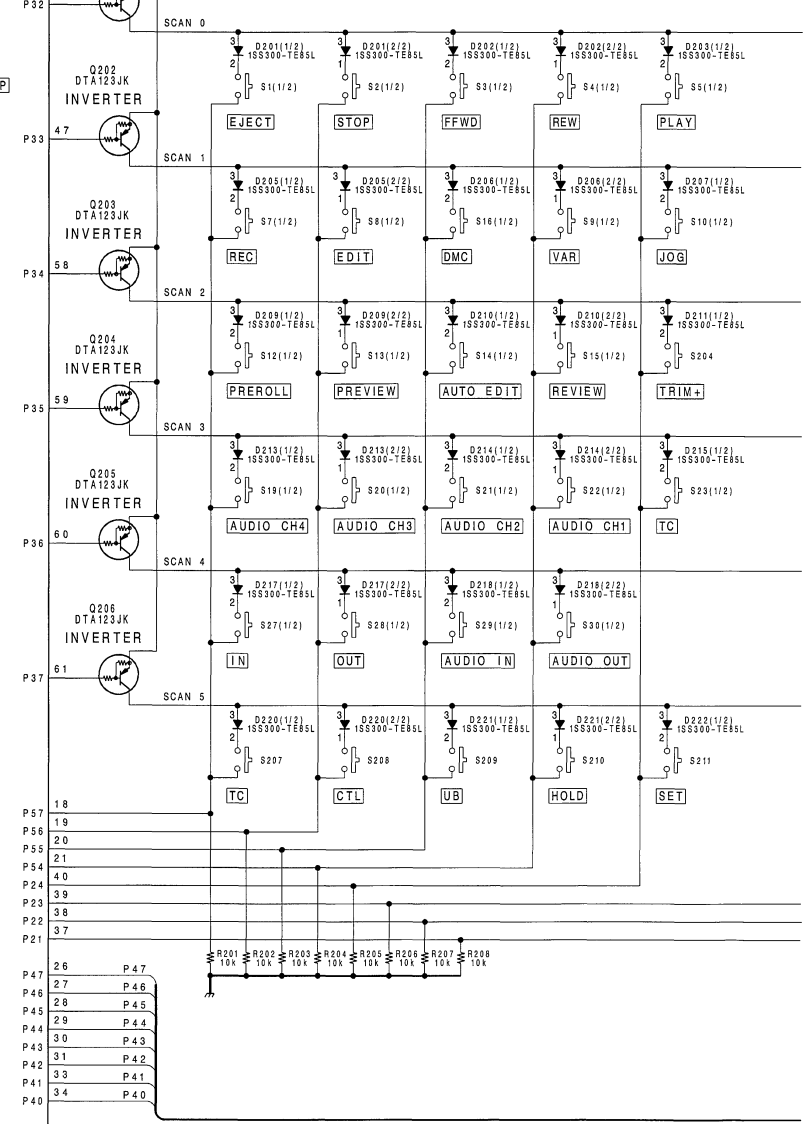
LOWER PANEL FUNCTION CONTROL

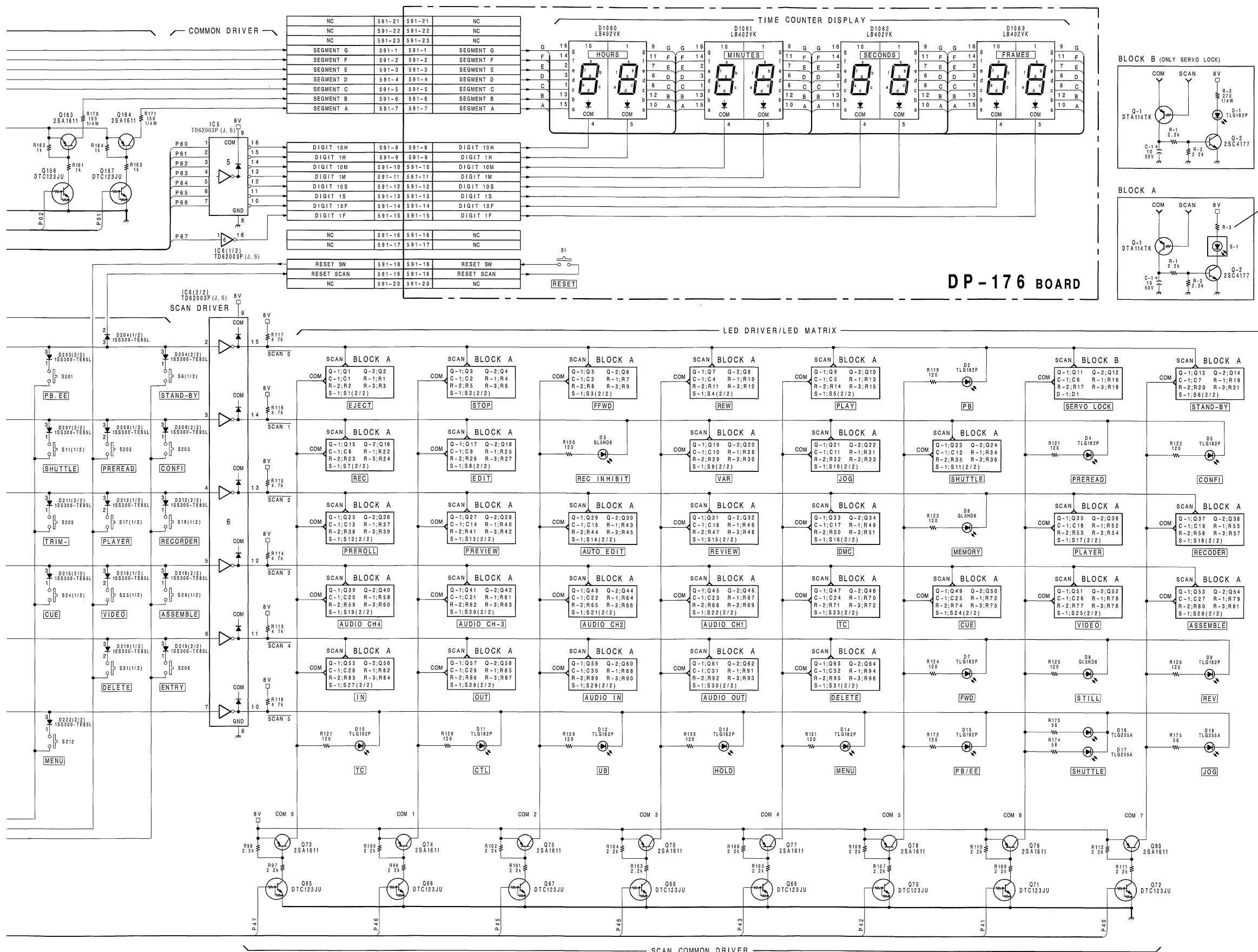


SEGMENT DRIVER



KEY MATRIX





DP-176 BOARD

The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.

KY-231 BOARD : 1-648-546-11
SWC-19 BOARD : 1-648-550-11

LOT NO.	KY-231	DP-176	SWC-19
302-306	1-648-546-11	1-648-547-11	1-648-550-11
307-402	1-648-546-12	1-648-547-12	1-648-550-12
403-704	1-648-546-13	1-648-547-12	1-648-550-13
705-	1-648-546-13	1-648-547-12	1-648-550-14

REF NO	LOT NO.
R3, 6	120 270 1/4W
R9, 12, R15, 21	120 330 1/4W
R24	220 1/4W 270 1/4W
R27	120 330 1/4W
R30, 33, R36	180 1/4W 390 1/4W
R39, 42	120 330 1/4W
R45	220 1/4W 270 1/4W
R48	120 330 1/4W
R51, 54, R57, 60, R63, 66, R69, 72, R75, 78, R81, 84, R87, 90, R93, 96	180 1/4W 390 1/4W

Time Counter Display DP-176 BOARD

BOARD NO. 1-648-547-11, 12
BOARD'S LOT NO. 302-
DVW-A500(J, UC) : DP-176 MCB
DVW-A500P(EK) : DP-176 MCB
DVW-A500P(UC) : DP-176 MCB
DVW-500 (J, UC) : DP-176 MCB
DVW-500P (EK) : DP-176 MCB
DVW-500P (UC) : DP-176 MCB

Jog/Shuttle Dial Sensor PTC-69 BOARD

BOARD NO. 1-648-568-11, 12
ALL DVWs : PTC-69 MCB

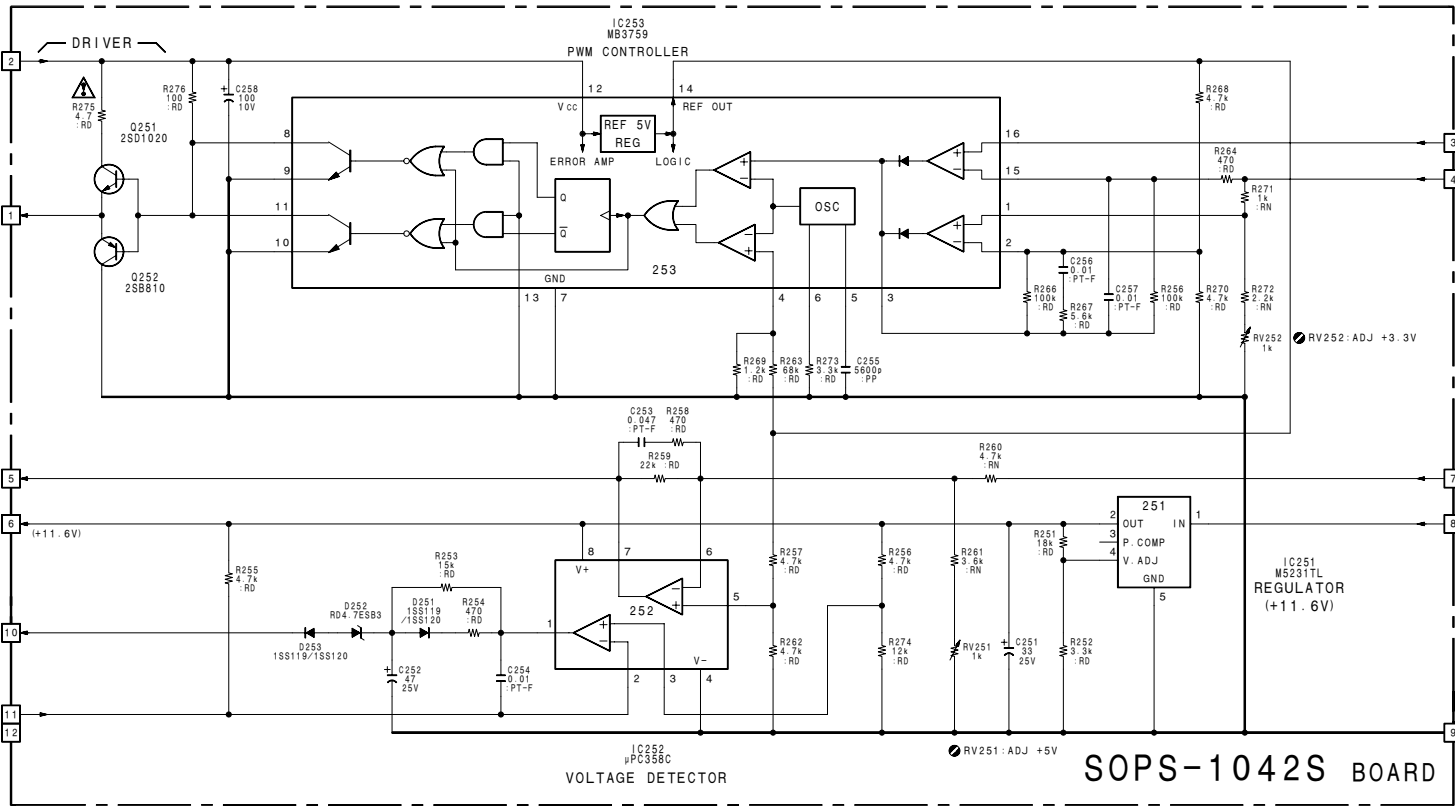
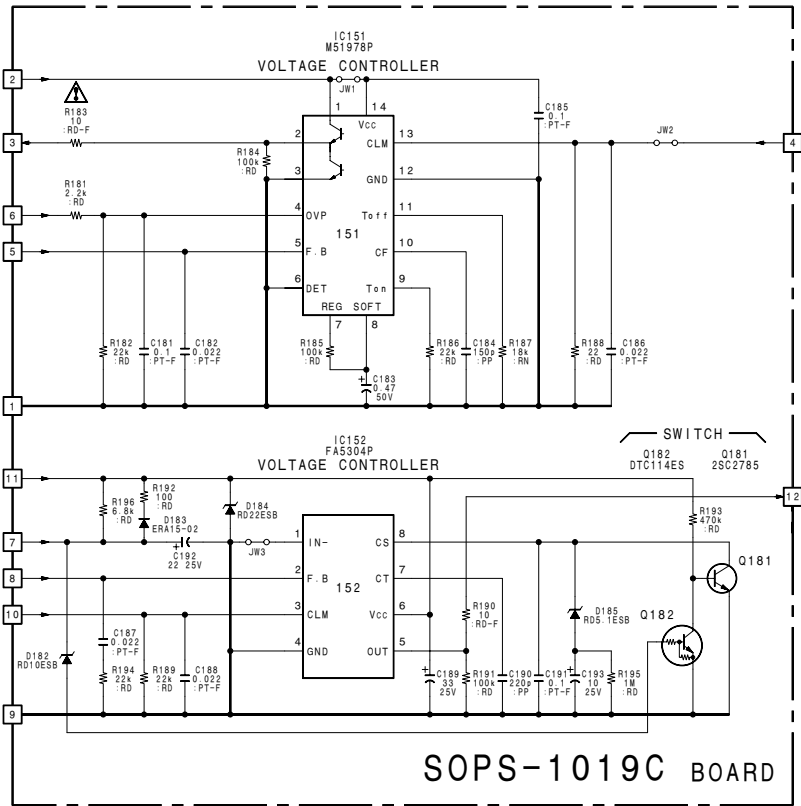
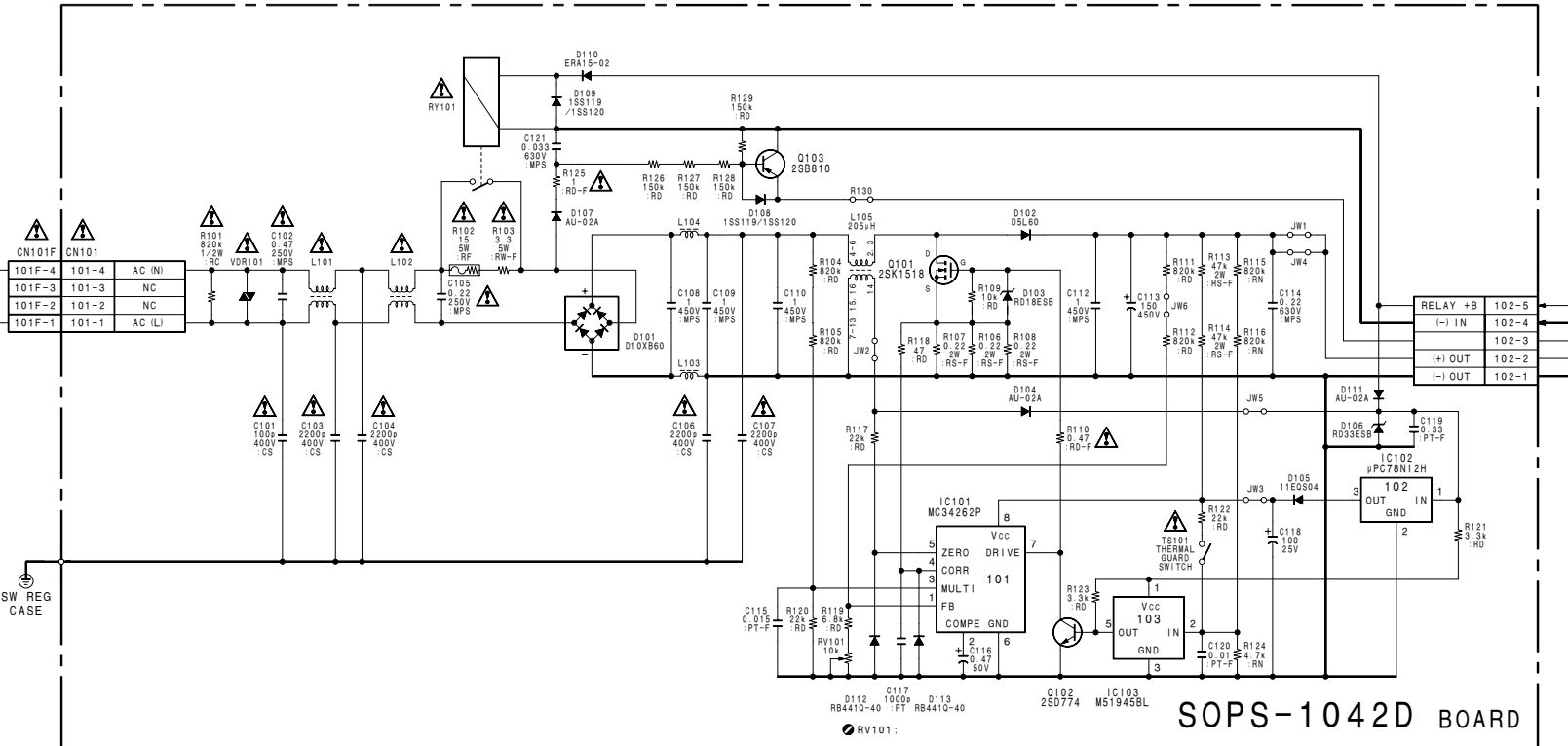
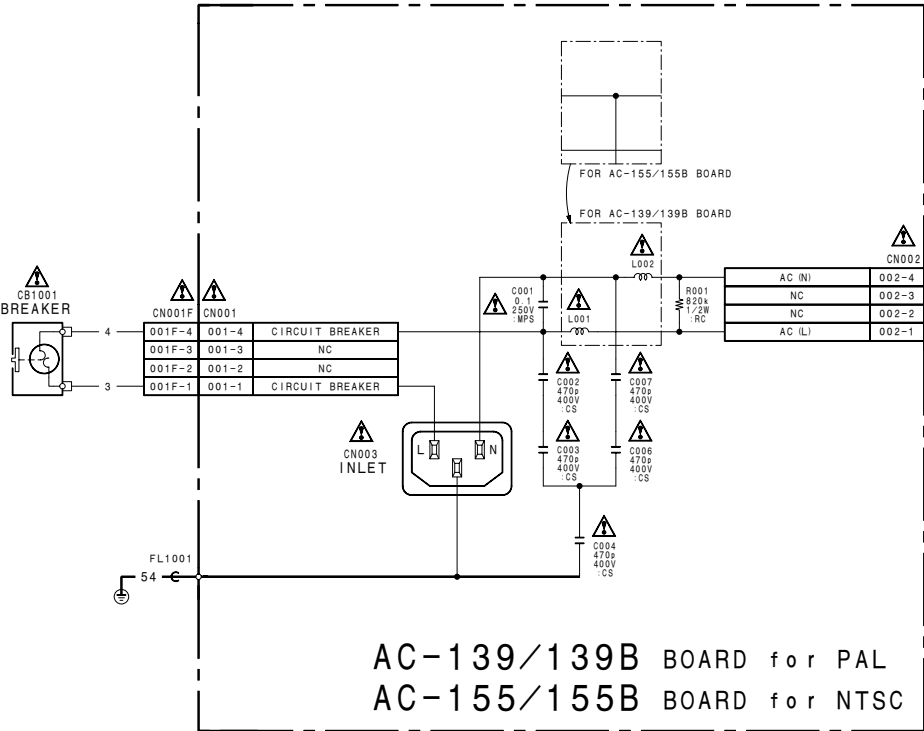
Connection SWC-19 BOARD (2/2)

BOARD NO. 1-648-550-11, 12, 13, 14
BOARD'S LOT NO. 302-
DVW-A500(J, UC) : SWC-19A MCB
DVW-A500P(EK) : SWC-19AP MCB
DVW-A500P(UC) : SWC-19AP MCB
DVW-500 (J, UC) : SWC-19 MCB
DVW-500P (EK) : SWC-19P MCB
DVW-500P (UC) : SWC-19P MCB

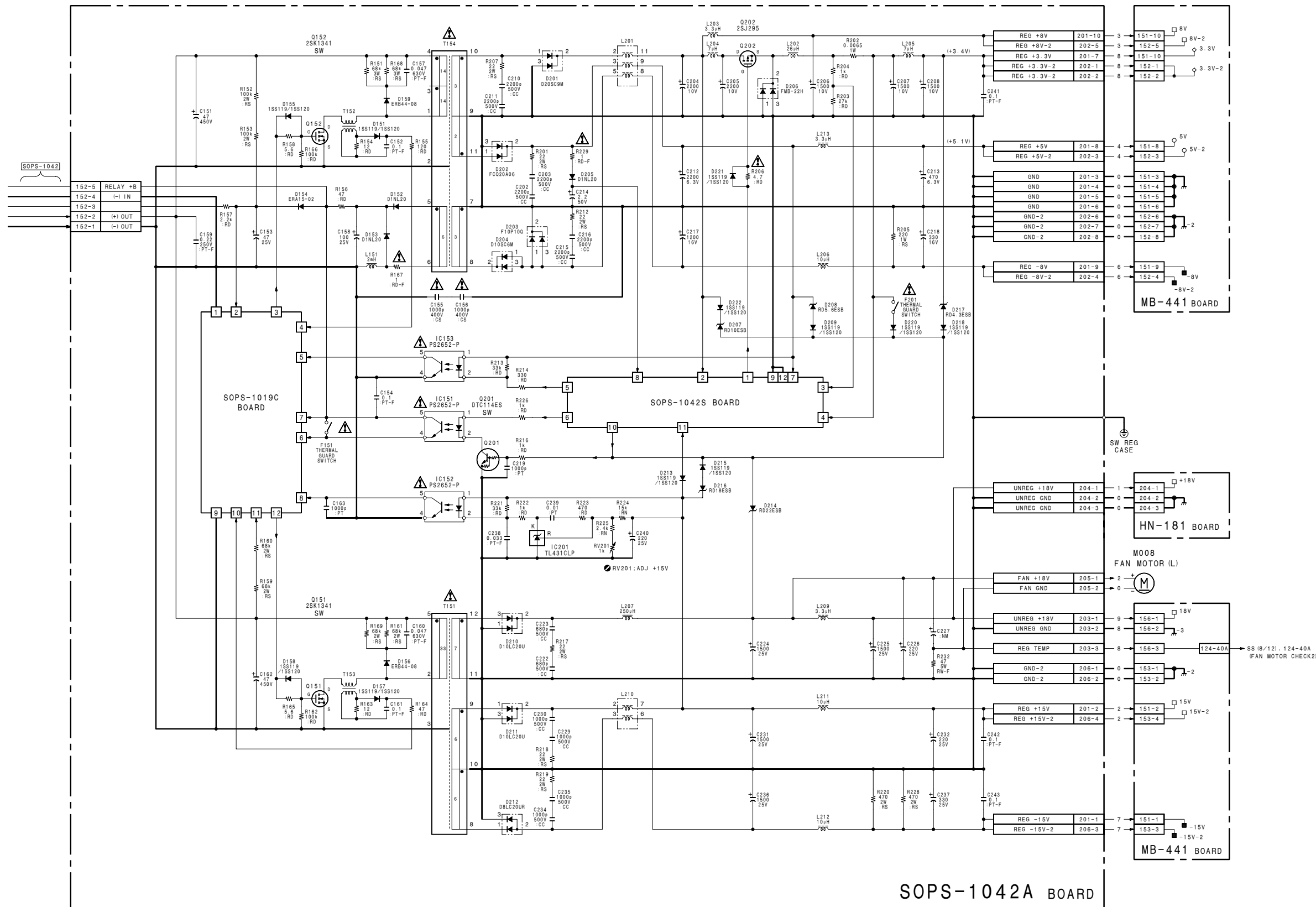
Lower Panel Control KY-231 BOARD

BOARD NO. 1-648-546-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500(J, UC) : KY-231 MCB
DVW-A500P(EK) : KY-231 MCB
DVW-A500P(UC) : KY-231 MCB
DVW-500 (J, UC) : KY-231 MCB
DVW-500P (EK) : KY-231 MCB
DVW-500P (UC) : KY-231 MCB

DVW-KY231-ALL-REC-S7M-05



NOTE:
ALL RESISTORS ARE 1/4W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



Switching Regulator SOPS-1042 (A)

DVW ALL MODELS

SOPS-1019C BOARD

BOARD NO. 1-640-835-11

SOPS-1042A BOARD

BOARD NO. 1-648-404-11

SOPS-1042D BOARD

BOARD NO. 1-656-244-11, 12

SOPS-1042S BOARD

BOARD NO. 1-648-406-11

AC Connector Board, With Breaker AC-139/139B BOARD

BOARD NO. 1-648-557-11/21

BOARD'S LOT NO. 302-

DVW-A500P (EK) : AC-139 MCB

DVW-A500P (UC) : AC-139 MCB

DVW-500P (EK) : AC-139 MCB

DVW-500P (UC) : AC-139 MCB

DVW-A510P (EK) : AC-139B MCB

DVW-510P (EK) : AC-139B MCB

DVW-CA510P (EK) : AC-139B MCB

Repair for AC-139B MCB is AC-139 MCB

AC Connector Board, With Breaker AC-155/155B BOARD

BOARD NO. 1-648-887-11/21

BOARD'S LOT NO. 302-

DVW-A500 (J, UC) : AC-155 MCB

DVW-500 (J, UC) : AC-155 MCB

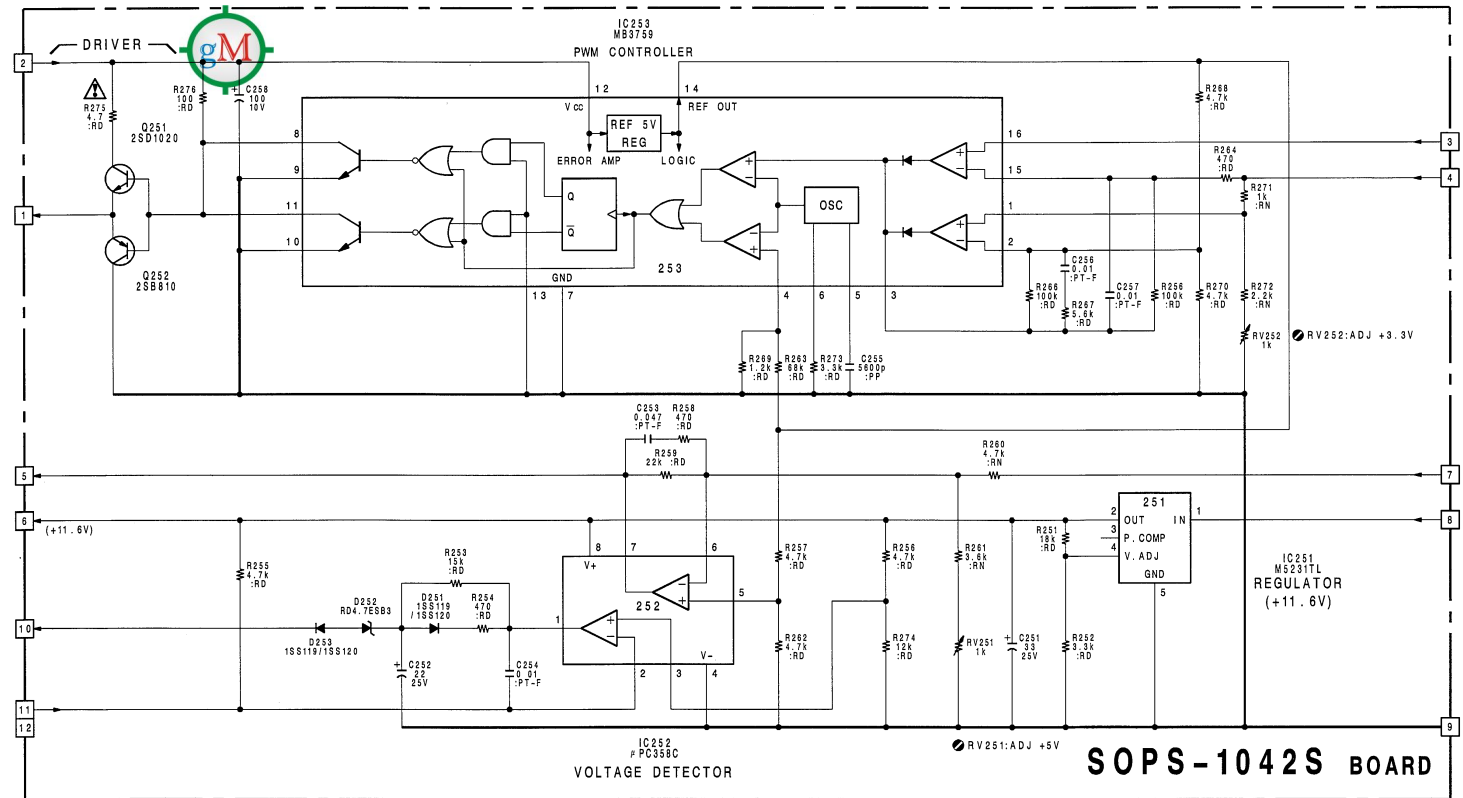
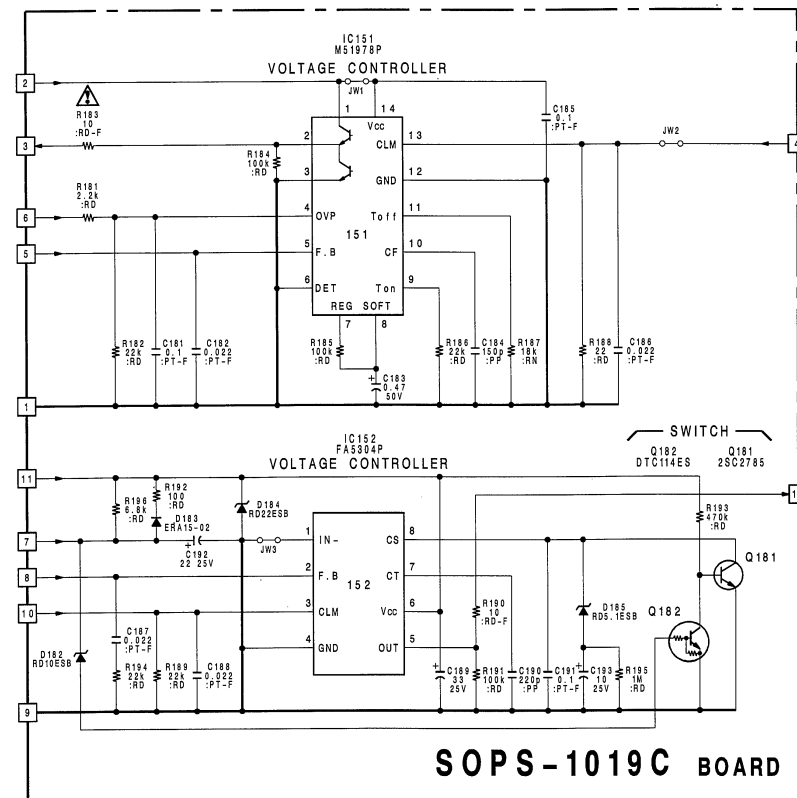
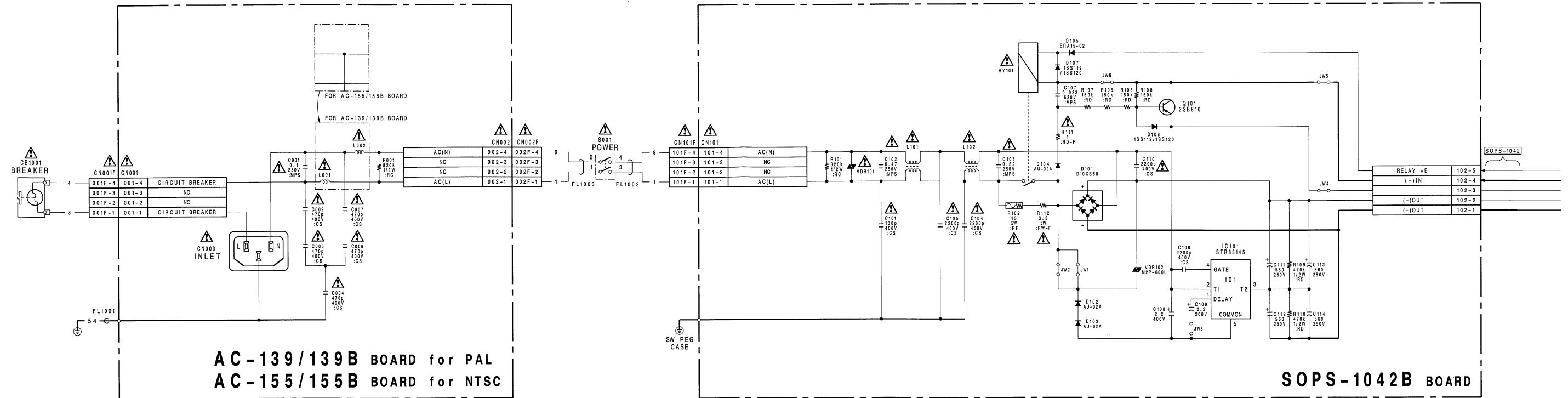
DVW-A510 (J, UC) : AC-155B MCB

DVW-510 (J, UC) : AC-155B MCB

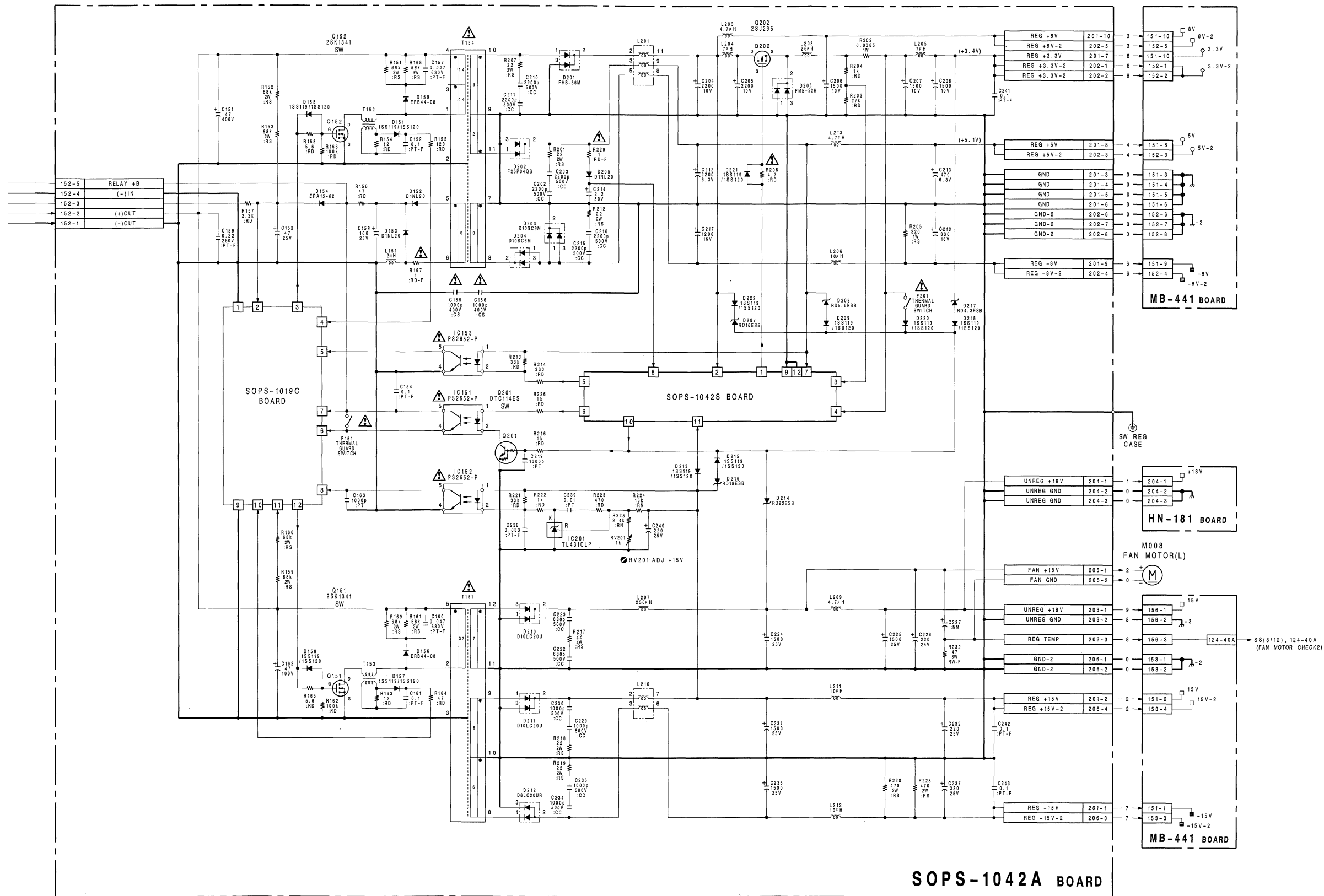
DVW-CA510 (J, UC) : AC-155B MCB

Repair for AC-155B MCB is AC-155 MCB

[DVW-SOPS1042-ALL-ALL-S/M-04-B]



NOTE:
ALL RESISTORS ARE 1/4W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



Switching Regulator SOPS-1042

DVW ALL MODELS

SOPS-1019C BOARD

BOARD NO. 1-640-835-11

SOPS-1042A BOARD

BOARD NO. 1-648-404-11

SOPS-1042B BOARD

BOARD NO. 1-648-405-11

SOPS-1042S BOARD

BOARD NO. 1-648-406-11

AC Connector Board with Breaker

AC-139/139B BOARD

BOARD NO. 1-648-557-11/21

BOARD' S LOT NO. 302-

DVW-A500P (EK) : AC-139 MCB

DVW-A500P (UC) : AC-139 MCB

DVW-500P (EK) : AC-139 MCB

DVW-500P (UC) : AC-139 MCB

DVW-A510P (EK) : AC-139B MCB

DVW-510P (EK) : AC-139B MCB

DVW-CA510P(EK) : AC-139B MCB

Repair for AC-139B MCB is AC-139 MCB

AC Connector Board with Breaker

AC-155/155B BOARD

BOARD NO. 1-648-887-11/21

BOARD' S LOT NO. 302-

DVW-A500 (J, UC) : AC-155 MCB

DVW-500 (J, UC) : AC-155 MCB

DVW-A510 (J, UC) : AC-155B MCB

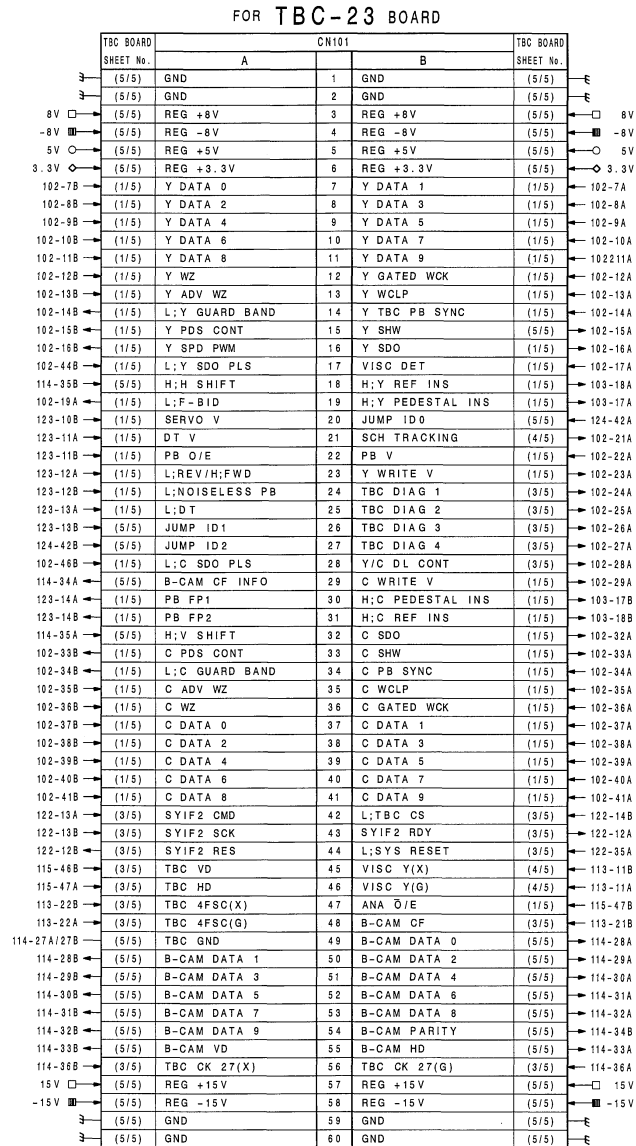
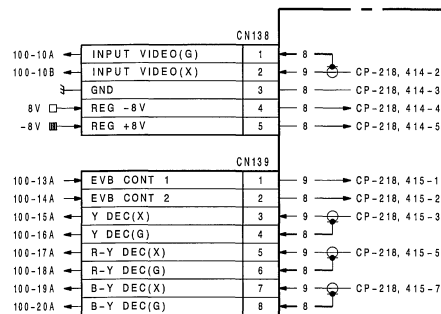
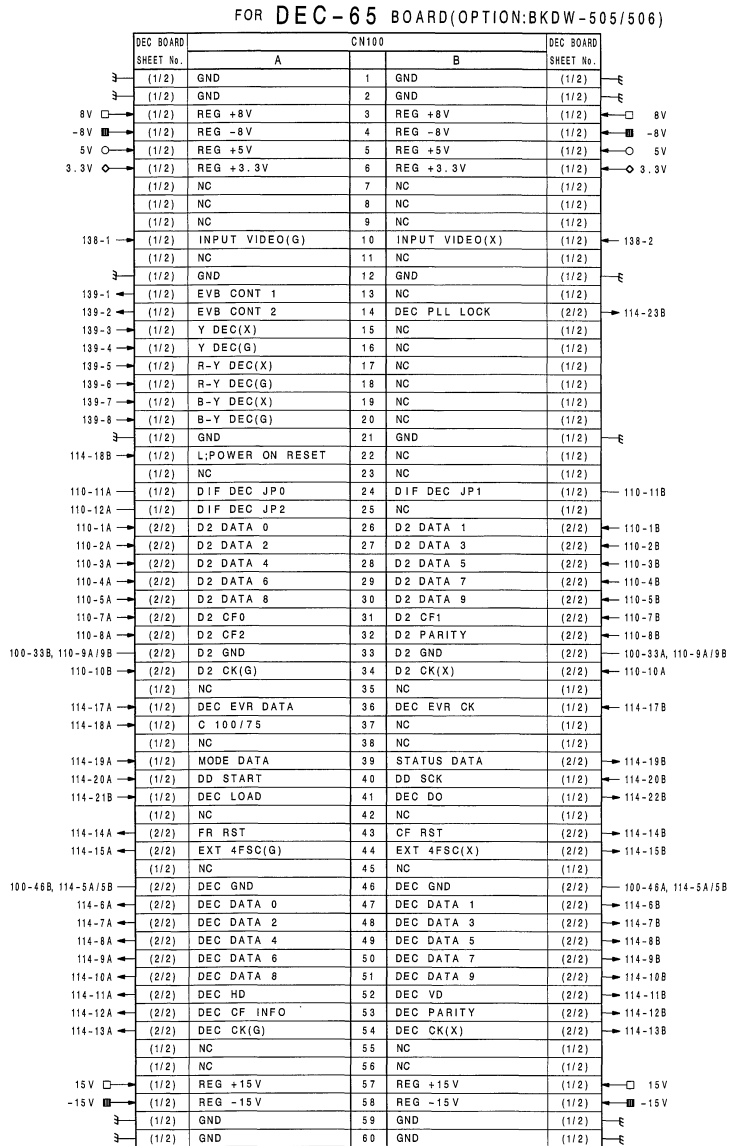
DVW-510 (J, UC) : AC-155B MCB

DVW-CA510(J, UC) : AC-155B MCB

Repair for AC-155B MCB is AC-155 MCB

DVW-SOPS1042-ALL-ALL-S/M-04-

MB-441 BOARD			
SHEET No.	REF. No.	CONNECTION	
(1/6)	CN100	DEC-65	BKDW-505/506
	CN101	TBC-23	DVW-A500/A500P
	CN102	TBC-24	ONLY
	CN103	DM-89	(MB-441A MCB)
	CN104	AP-28	
(2/6)	CN105	CUE-1AP/1A/1	
	CN106	EQ-45A/45	
	CN110	CN112	DIF-16
(3/6)	CN113	VPR-1	
	CN114		
	CN115		
(4/6)	CN116	DPR-36	
	CN117		
	CN118		
(5/6)	CN119	APR-1	
	CN120		
	CN121		
(6/6)	CN122	SS-52A/52	
	CN123		
	CN124		
(5/6)	CN130	RS232C CONNECTOR	
	CN131	VIDEO CONTROL CONNECTOR	
	CN132	REMOTE 1 IN(9P) CONNECTOR	
(6/6)	CN133	REMOTE 1 OUT(9P) CONNECTOR	
	CN134	CONTROL PANEL CONNECTOR	
(3/6)	CN135	CP-218	(CN412)
	CN136		(CN413)
	CN137	CP-220	(CN404)
(5/6)	CN138	CP-218	(CN414)
	CN139		(CN415)
	CN140		(CN402)
(5/6)	CN142	CP-220	(CN400)
	CN143		(CN401)
	CN144		(CN403)
(5/6)	CN145	VR-152	(CN512)
	CN147	FP-58	(CN500)
	CN148	SWC-19	(CN148)
(6/6)	CN149	HN-181	(CN201)
	CN150	FAN MOTOR(R)	
	CN151		(CN201)
(6/6)	CN152	SWITCHING REGULATOR	(CN202)
	CN153		(CN206)
	CN154	HN-181	(CN205)
(1/6)	CN155	NO CONNECTION	
	CN156	SWITCHING REGULATOR	(CN203)
	CN160	CN161 OF MB-441	
(1/6)	CN161	CN160 OF MB-441	



FOR TBC-24 BOARD

TBC BOARD				TBC BOARD			
SHEET No.		CN102		SHEET No.		SHEET No.	
		A	B				
3	(1/3)	GND	1 GND	(1/3)	8V	(1/3)	8V
3	(1/3)	GND	2 GND	(1/3)	-8V	(1/3)	-8V
3	(1/3)	REG +8V	3 REG +8V	(1/3)	5V	(1/3)	5V
3	(1/3)	REG -8V	4 REG -8V	(1/3)	3.3V	(1/3)	3.3V
101-78	(1/3)	REG +5V	5 REG +5V	(1/3)	101-78	(1/3)	101-78
101-88	(1/3)	REG +3.3V	6 REG +3.3V	(1/3)	101-88	(1/3)	101-88
101-88	(1/3)	Y DATA 1	7 Y DATA 0	(1/3)	101-88	(1/3)	101-88
101-88	(1/3)	Y DATA 3	8 Y DATA 2	(1/3)	101-88	(1/3)	101-88
101-88	(1/3)	Y DATA 5	9 Y DATA 4	(1/3)	101-88	(1/3)	101-88
101-88	(1/3)	Y DATA 7	10 Y DATA 6	(1/3)	101-88	(1/3)	101-88
101-88	(1/3)	Y DATA 9	11 Y DATA 8	(1/3)	101-88	(1/3)	101-88
101-88	(2/3)	Y GATED WCK	12 Y WZ	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	Y WCLP	13 Y ADV WZ	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	Y TBC PB SYNC	14 L;Y GUARD BAND	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	Y SHW	15 Y PDS CONT	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	Y SDO	16 Y SPD PWM	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	VISC DET	17 DM TBC SS JP0	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	ADV Y SW PLS	18 L;PB NO SIG	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	L;F-BID	19 Y W CLAMP PLS	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	SERVO V	20 TBC SPEED	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	SCH TRACKING	21 GND	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	PB V	22 GND	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	Y WRITE V	23 GND	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	TBC DIAG 1	24 GND	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	TBC DIAG 2	25 Y DEMOD(X)	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	TBC DIAG 3	26 Y DEMOD(G)	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	TBC DIAG 4	27 NC	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	Y/C DL CONT	28 C DEMOD(X)	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C WRITE V	29 C DEMOD(G)	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	ADV C SW PLS	30 NC	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	DM TBC SS JP1	31 C SH	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C SDO	32 C W CLAMP PLS	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C SHW	33 C PDS CONT	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C PB SYNC	34 L;C GUARD BAND	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C WCLP	35 C ADV WZ	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C GATED WCK	36 C WZ	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C DATA 1	37 C DATA 0	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C DATA 3	38 C DATA 2	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C DATA 5	39 C DATA 4	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C DATA 7	40 C DATA 6	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	C DATA 9	41 C DATA 8	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	Y PB SYNC	42 C GBD	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	TBC VPR JP5	43 L;Y DO PLS	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	TBC VD 2	44 L;Y SDO PLS	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	TBC VPR JP7	45 L;C DO PLS	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	TBC VPR JP1	46 L;C SDO PLS	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	TBC VPR JP2	47 CNF AC FREQ	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	L;Y PCM MUTE	48 NC	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	L;C PCM MUTE	49 H;SV LOCK	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	H;OSC ON	50 L;METAL/H;OXIDE	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	DM TBC JP1	51 H;NTSC/L;PAL	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	NC	52 NC	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	NC	53 NC	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	AP TBC JP0	54 NC	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	AP TBC JP1	55 NC	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	NC	56 NC	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	REG +15V	57 REG +15V	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	REG -15V	58 REG -15V	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	GND	59 GND	(2/3)	101-88	(2/3)	101-88
101-88	(2/3)	GND	60 GND	(2/3)	101-88	(2/3)	101-88

FOR DM-89 BOARD

DM BOARD				DM BOARD			
SHEET No.		CN103		SHEET No.		SHEET No.	
		A	B				
3	(4/4)	GND	1 GND	(4/4)	8V	(4/4)	8V
3	(4/4)	GND	2 GND	(4/4)	-8V	(4/4)	-8V
3	(4/4)	REG +8V	3 REG +8V	(4/4)	5V	(4/4)	5V
3	(4/4)	REG -8V	4 REG -8V	(4/4)	3.3V	(4/4)	3.3V
3	(4/4)	REG +5V	5 REG +5V	(4/4)	102-50B	(4/4)	102-50B
3	(4/4)	REG +3.3V	6 REG +3.3V	(4/4)	102-50B	(4/4)	102-50B
3	(4/4)	NC	7 NC	(4/4)	102-50B	(4/4)	102-50B
3	(4/4)	NC	8 NC	(4/4)	102-50B	(4/4)	102-50B
3	(4/4)	NC	9 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	ADV C SW PLS	10 L;NOISELESS PB	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	NC	11 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	NC	12 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	NC	13 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	L;Y DO	14 L;C DO	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	L;METAL/H;OXIDE	15 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	L;Y DO PLS	16 L;C DO PLS	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	H;Y PEDESTAL INS	17 H;C PEDESTAL INS	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	H;Y REF INS	18 H;C REF INS	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	Y W CLAMP PLS	19 L;PB NO SIG	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	C W CLAMP PLS	20 TBC SPEED	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	NC	21 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	H;AFM MUTE	22 H;LAU MUTE	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	H;NR ON	23 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	NC	24 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	GND	25 GND	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	Y DEMOD(X)	26 GND	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	Y DEMOD(G)	27 GND	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	C DEMOD(X)	28 GND	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	C DEMOD(G)	29 GND	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	NC	30 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	Y RF ENVELOPE(X)	31 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	Y RF ENVELOPE(G)	32 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	C RF ENVELOPE(X)	33 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	C RF ENVELOPE(G)	34 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	NC	35 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	DM SS JP2	36 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	DM SS JP3	37 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	GND	38 DM PB Y(X)	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	GND	39 DM PB Y(G)	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	GND	40 DM PB C(X)	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	GND	41 DM PB C(G)	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	C RF(X)	42 DM SS JP0	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	C RF(G)	43 DM SS JP1	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	L;RF Y VBLK	44 H;FAST SEARCH	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	L;RF C VBLK	45 L;SLOW BID	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	NC	46 L;Y PCM MUTE	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	CNF AC FREQ	47 L;C PCM MUTE	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	DM TBC SS JP0	48 ADV Y SW PLS	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	DM TBC SS JP1	49 ADV C SW PLS	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	H;OSC ON	50 DM TBC JP1	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	SYIF2 SCK	51 SYIF2 CMD	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	SYIF2 RES	52 SYIF2 RDY	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	L;DM CS	53 L;SYS RESET	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	L;REF CK ERROR	54 L;PLL ERROR	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	L;W/R TIM ERROR	55 L;SQL ON	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	NC	56 NC	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	REG +15V	57 REG +15V	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	REG -15V	58 REG -15V	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	GND	59 GND	(4/4)	102-50B	(4/4)	102-50B
104-10A	(4/4)	GND	60 GND	(4/4)	102-50B	(4/4)	102-50B

FOR AP-28 BOARD

DW BOARD		CN104		DW BOARD	
SHEET No.		A	B	SHEET No.	
3	(1/3)	GND	1 GND	(1/3)	8V
3	(1/3)	GND	2 GND	(1/3)	-8V
8V	(1/3)	REG +8V	3 REG +8V	(1/3)	5V
-8V	(1/3)	REG -8V	4 REG -8V	(1/3)	3.3V
5V	(1/3)	REG +5V	5 REG +5V	(1/3)	
3.3V	(1/3)	REG +3.3V	6 REG +3.3V	(1/3)	
	(3/3)	NC	7 NC	(3/3)	
	(3/3)	NC	8 NC	(3/3)	
	(2/3)	AP TBC JP0	9 AP TBC JP1	(2/3)	102-55A
102-54A	(2/3)	ADV C SW PLS	10 AP DM JP1	(2/3)	NC
102-10A	(3/3)	NC	11 NC	(3/3)	
	(2/3)	REF CK 27(X)	12 NC	(3/3)	
114-3B	(2/3)	REF CK 27(G)	13 NC	(3/3)	
114-3A	(2/3)	Y PB SYNC	14 NC	(3/3)	
102-42A	(2/3)	C GBD	15 NC	(3/3)	
102-42B	(2/3)	C SH	16 NC	(3/3)	
102-31B	(3/3)	NC	17 DT V	(2/3)	123-11A
	(2/3)	L:REF CK ERROR	18 ANA O/E	(2/3)	115-47B
103-54A	(2/3)	L:PLL ERROR	19 NC	(3/3)	
103-54B	(2/3)	L:W/R TIM ERROR	20 NC	(3/3)	
103-55B	(3/3)	L:SQL ON	21 H:SV LOCK	(3/3)	123-43A
103-16A	(2/3)	L:Y DO PLS	22 L:NOISELESS PB	(2/3)	123-12B
103-22A	(2/3)	H:AFM MUTE	23 H:DIGITAL/L:ANALOG	(2/3)	120-48B
103-22B	(1/3)	H:LAU MUTE	24 H:METAL/L:OXIDE	(2/3)	120-49B
103-23A	(1/3)	H:NR ON	25 H:NTSC/L:PAL	(2/3)	102-51B
	(2/3)	GND	26 GND	(2/3)	
	(2/3)	GND	27 GND	(2/3)	
	(2/3)	GND	28 GND	(2/3)	
103-42A	(2/3)	C RF(X)	29 C RF(G)	(2/3)	103-43A
	(2/3)	GND	30 GND	(2/3)	
	(3/3)	NC	31 NC	(3/3)	
	(3/3)	NC	32 NC	(3/3)	
	(3/3)	NC	33 NC	(3/3)	
	(3/3)	NC	34 NC	(3/3)	
	(3/3)	NC	35 NC	(3/3)	
	(3/3)	NC	36 NC	(3/3)	
	(3/3)	NC	37 NC	(3/3)	
	(1/3)	GND	38 GND	(1/3)	
105-39A	(1/3)	PB CH-2 SIG(X)	39 PB CH-2 SIG(G)	(1/3)	105-39B
	(1/3)	GND	40 GND	(1/3)	
105-41A	(1/3)	PB CH-1 SIG(X)	41 PB CH-1 SIG(G)	(1/3)	105-41B
	(1/3)	GND	42 GND	(1/3)	
	(3/3)	NC	43 NC	(3/3)	
	(3/3)	NC	44 NC	(3/3)	
	(3/3)	NC	45 NC	(3/3)	
	(1/3)	GND	46 GND	(1/3)	
119-17A/17B	(1/3)	B PB CH-1(X)	47 B PB CH-1(G)	(1/3)	119-18A/18B
	(1/3)	GND	48 GND	(1/3)	
119-19A/19B	(1/3)	B PB CH-2(X)	49 B PB CH-2(G)	(1/3)	119-20A/20B
	(3/3)	GND	50 GND	(3/3)	
119-21A/21B	(3/3)	B PB CH-3(X)	51 B PB CH-3(G)	(3/3)	119-22A/22B
	(3/3)	GND	52 GND	(3/3)	
119-23A/23B	(3/3)	B PB CH-4(X)	53 B PB CH-4(G)	(3/3)	119-24A/24B
	(3/3)	GND	54 GND	(3/3)	
	(3/3)	NC	55 NC	(3/3)	
	(3/3)	NC	56 NC	(3/3)	
15V	(1/3)	REG +15V	57 REG +15V	(1/3)	15V
-15V	(1/3)	REG -15V	58 REG -15V	(1/3)	-15V
	(1/3)	GND	59 GND	(1/3)	
	(1/3)	GND	60 GND	(1/3)	

1

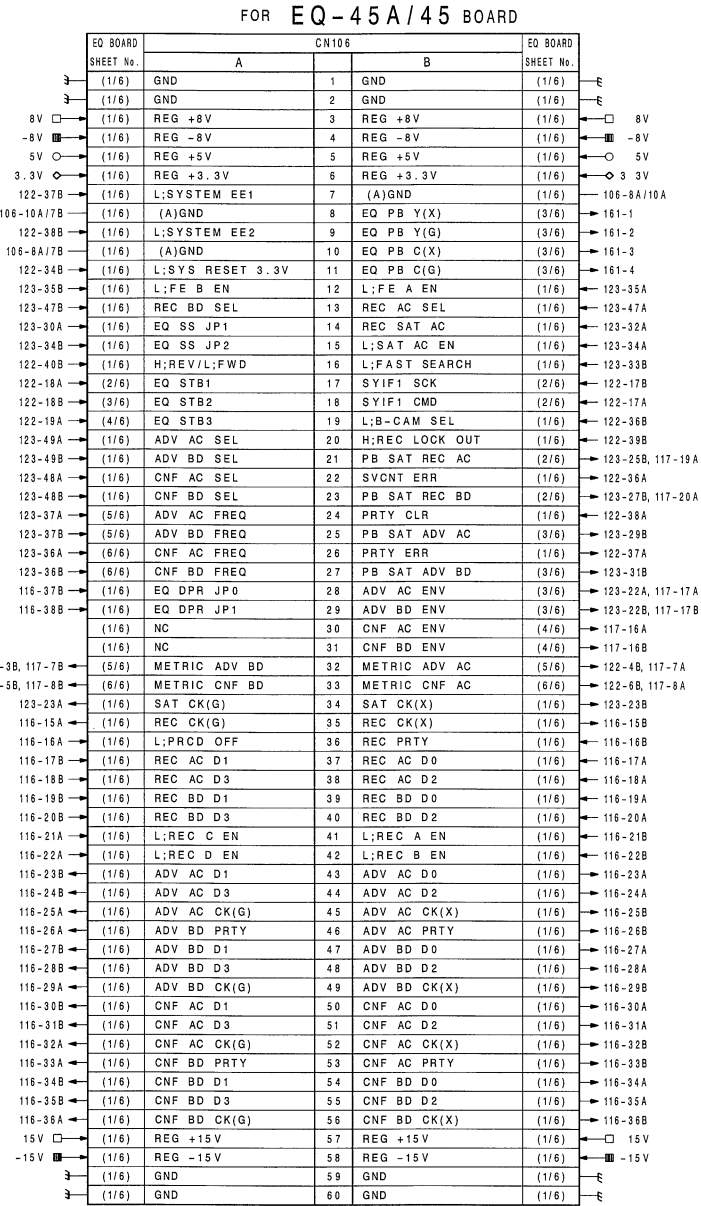
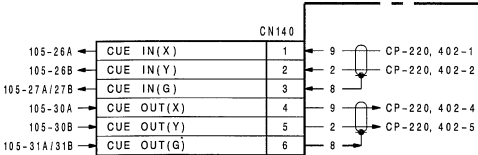
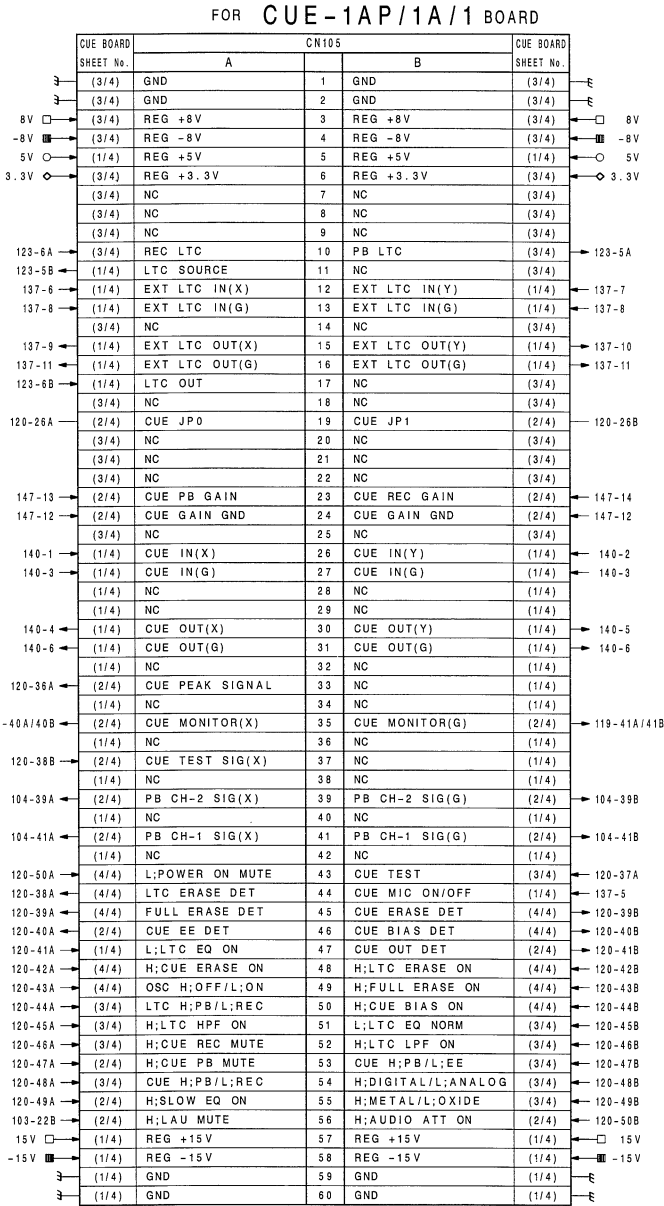
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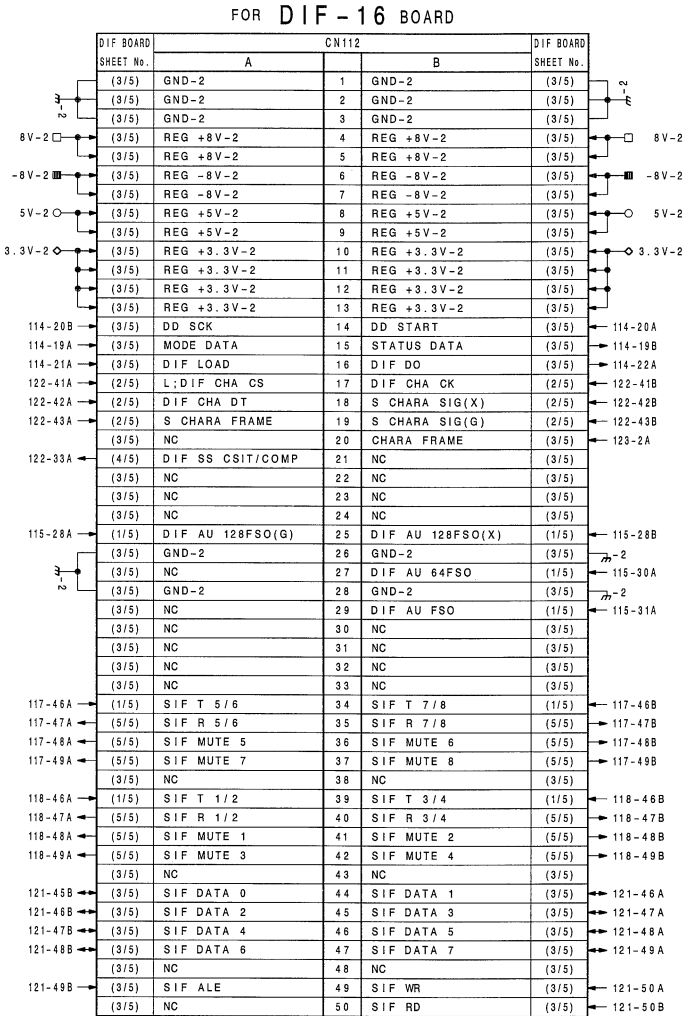
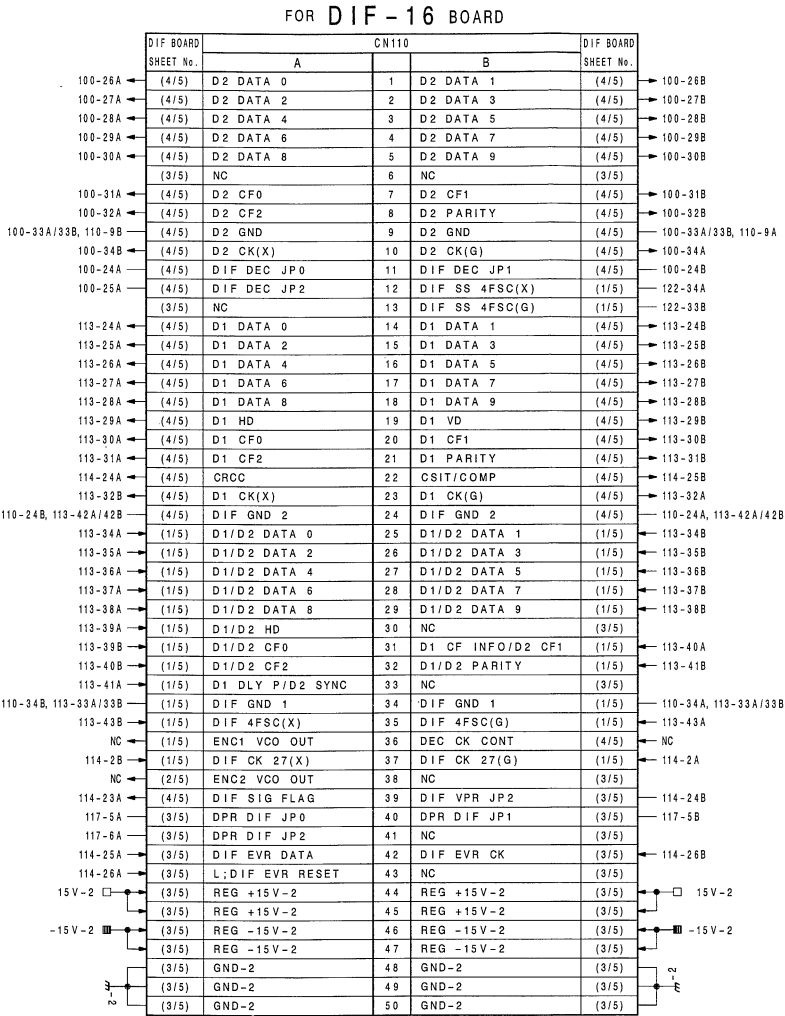
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4

5

MB-441 BOARD		CONNECTION	
SHEET No.	REF. No.		
(1/6)	CN100	DEC-65	BKDW-505/506
	CN101	TBC-23	DVW-A500/A500P ONLY (MB-441A MCB)
	CN102	TBC-24	
	CN103	DM-89	
	CN104	AP-28	
(2/6)	CN105	CUE-1AP/1A/1	
	CN106	EQ-45A/45	
	CN110	DIF-16	
(3/6)	CN113	VPR-1	
	CN114		
	CN115		
(4/6)	CN116	DPR-36	
	CN117		
	CN118		
(5/6)	CN119	APR-1	
	CN120		
	CN121		
(6/6)	CN122	SS-52A/52	
	CN123		
	CN124		
(5/6)	CN130	RS232C CONNECTOR	
	CN131	VIDEO CONTROL CONNECTOR	
	CN132	REMOTE 1 IN(9P) CONNECTOR	
(6/6)	CN133	REMOTE 1 OUT(9P) CONNECTOR	
	CN134	CONTROL PANEL CONNECTOR	
(3/6)	CN135	CP-218	(CN412)
	CN136		(CN413)
(5/6)	CN137	CP-220	(CN404)
	CN138	CP-218	(CN414)
(1/6)	CN139		(CN415)
	CN140		(CN402)
(5/6)	CN142	CP-220	
	CN143		
	CN144		
	CN145		
	CN147		
(6/6)	CN148	FP-58	(CN500)
	CN149	SWC-19	(CN148)
	CN150	HN-181	(CN201)
	CN151	FAN MOTOR(R)	
	CN152		(CN201)
(6/6)	CN153	SWITCHING REGULATOR (CN202)	
	CN154		
	CN155		
	CN156		
	CN160		
(1/6)	CN161	CN160 OF MB-441	
	CN161		





LOT NO.	BOARD NO.
302-308	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

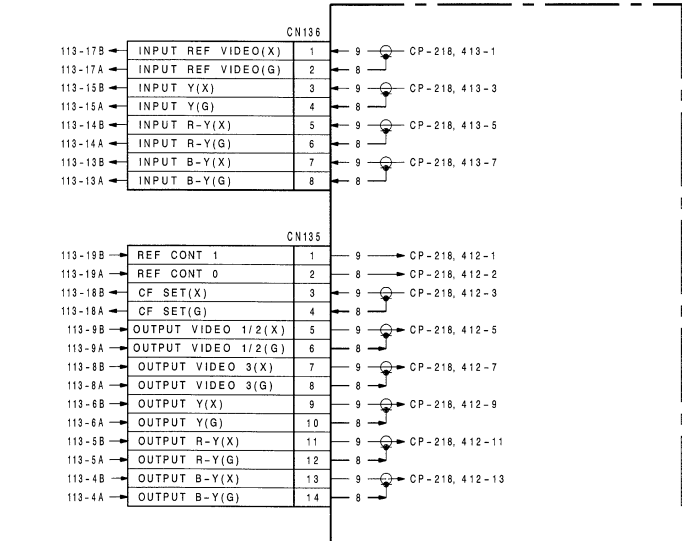
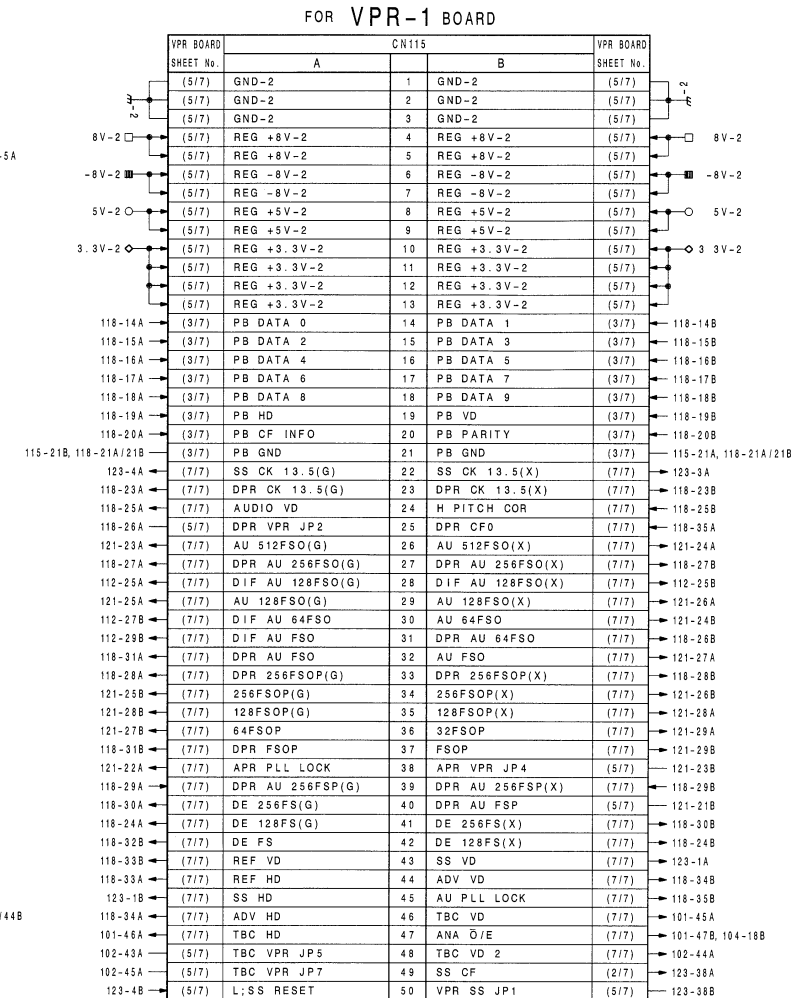
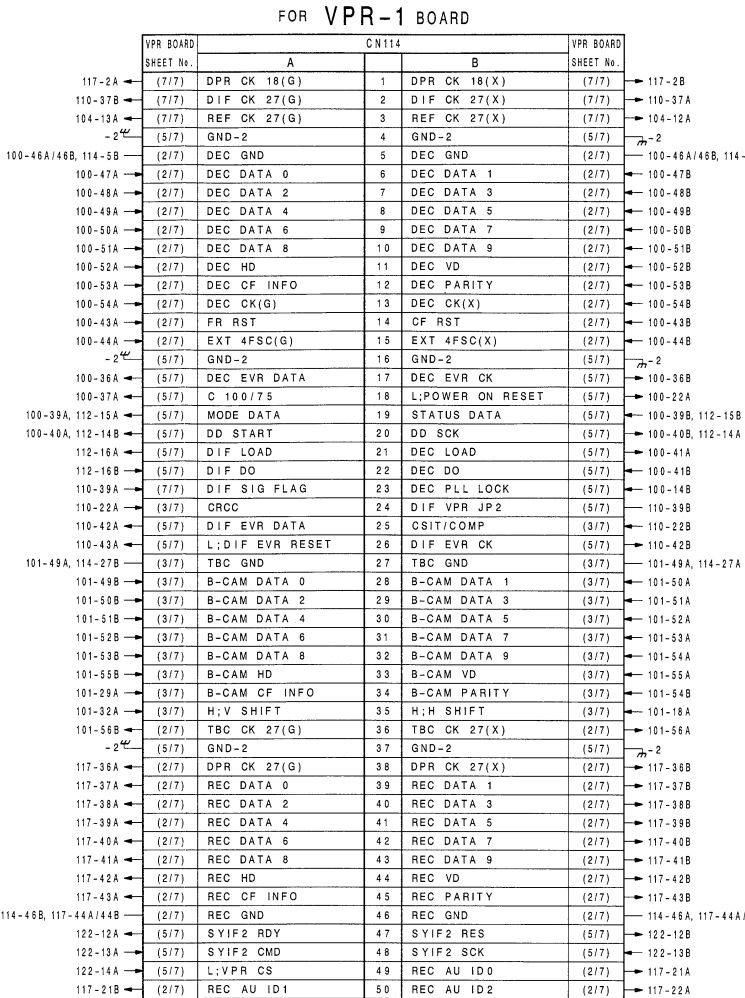
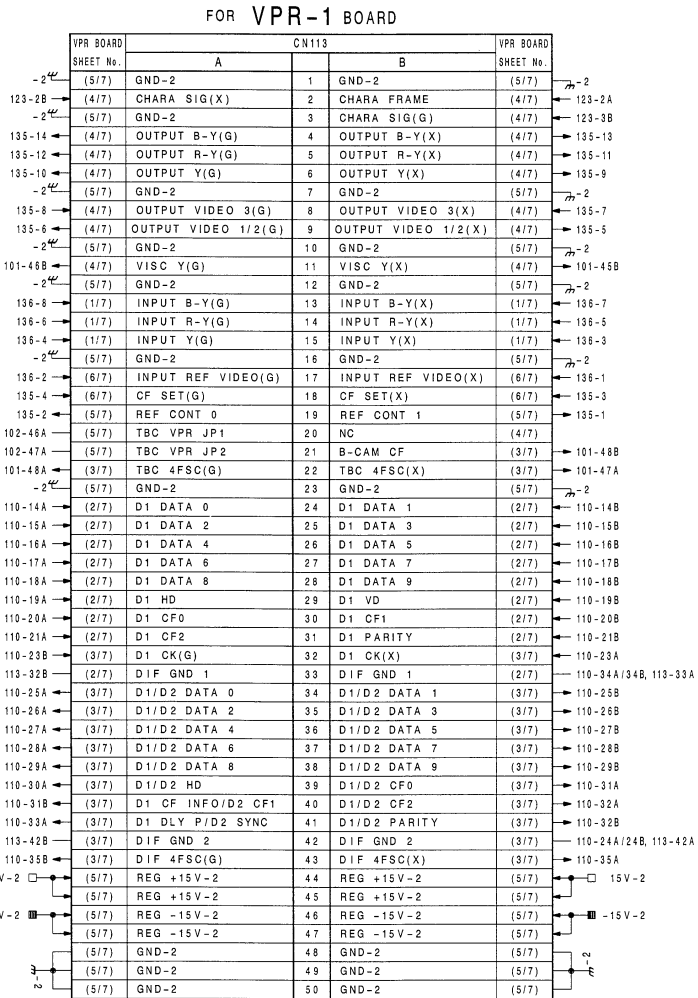
Mother board
MB-441 BOARD (2/6)

BOARD NO. 1-648-560-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

DVW-MB441-ALL-REC-SJM-04

CN105
CN108
CN110
CN112
CN140

MB-441 BOARD			
SHEET No.	REF. No.	CONNECTION	
(1/6)	CN100	DEC-65	BKDW-505/506
	CN101	TBC-23	DVW-A500/A500P ONLY (MB-441A MCB)
	CN102	TBC-24	
	CN103	DM-89	
	CN104	AP-28	
(2/6)	CN105	CUE-1AP/1A/1	
	CN106	EQ-45A/45	
	CN110	DIF-16	
(3/6)	CN113	VPR-1	
	CN114		
	CN115		
(4/6)	CN116		
	CN117	DPR-36	
	CN118		
(5/6)	CN119		
	CN120	APR-1	
	CN121		
(6/6)	CN122		
	CN123	SS-52A/52	
	CN124		
(5/6)	CN130	RS232C CONNECTOR	
	CN131	VIDEO CONTROL CONNECTOR	
	CN132	REMOTE 1 IN(9P) CONNECTOR	
(6/6)	CN133	REMOTE 1 OUT(9P) CONNECTOR	
	CN134	CONTROL PANEL CONNECTOR	
(3/6)	CN135	CP-218	(CN412)
	CN136		(CN413)
(5/6)	CN137	CP-220	(CN404)
	CN138		(CN414)
(1/6)	CN139	CP-218	(CN415)
	CN140		(CN402)
(2/6)	CN142	CP-220	(CN400)
	CN143		(CN401)
	CN144		(CN403)
(5/6)	CN145	VR-152	(CN512)
	CN147	FP-58	(CN500)
	CN148	SWC-19	(CN148)
(1/6)	CN149	HN-181	(CN201)
	CN150	FAN MOTOR(R)	
(6/6)	CN151		(CN201)
	CN152	SWITCHING REGULATOR	(CN202)
	CN153		(CN206)
(1/6)	CN154	HN-181	(CN205)
	CN155	NO CONNECTION	
	CN156	SWITCHING REGULATOR	(CN203)
(1/6)	CN160	CN161 OF MB-441	
	CN161	CN160 OF MB-441	



LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

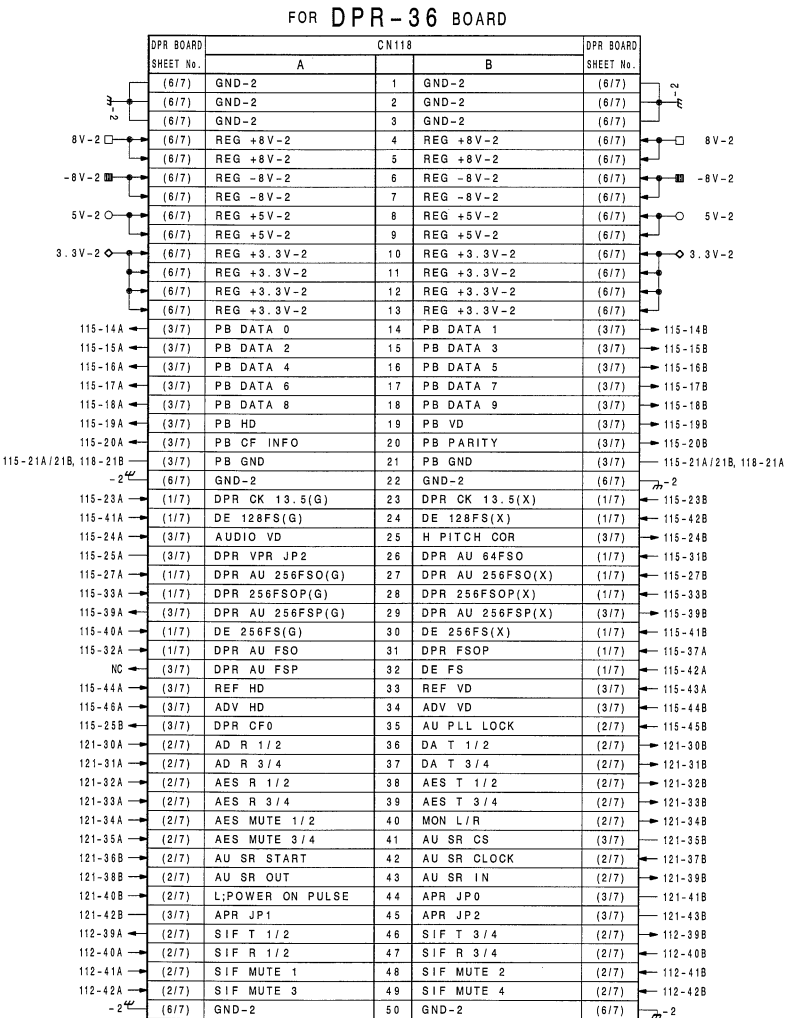
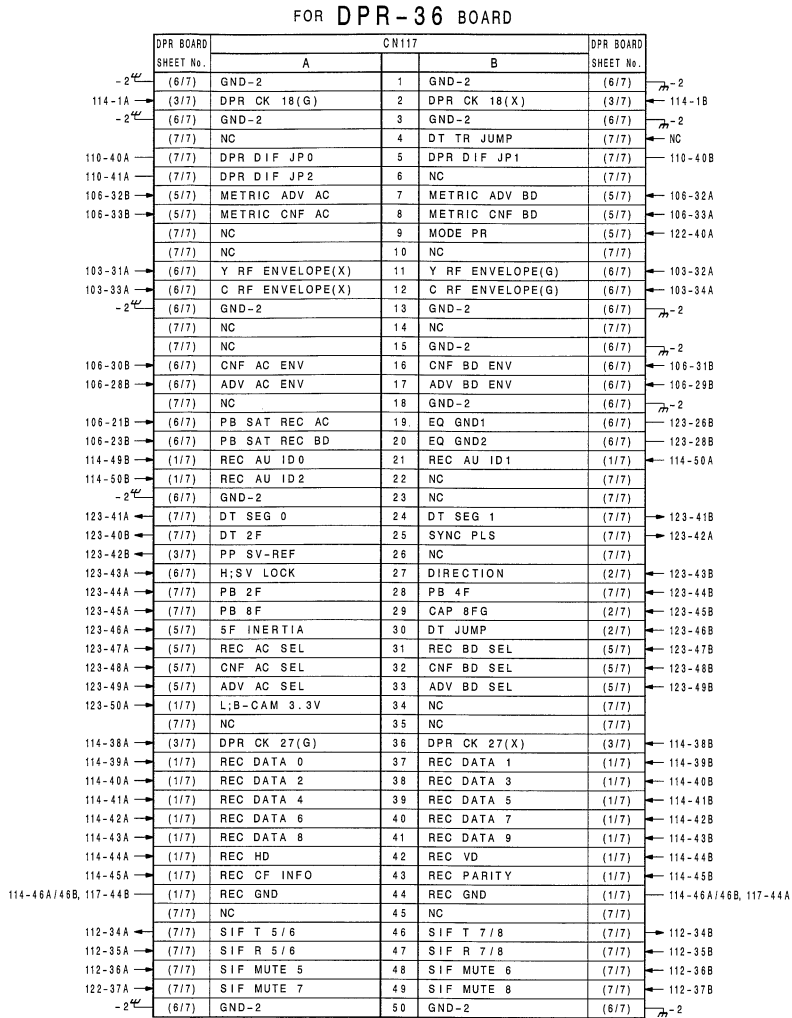
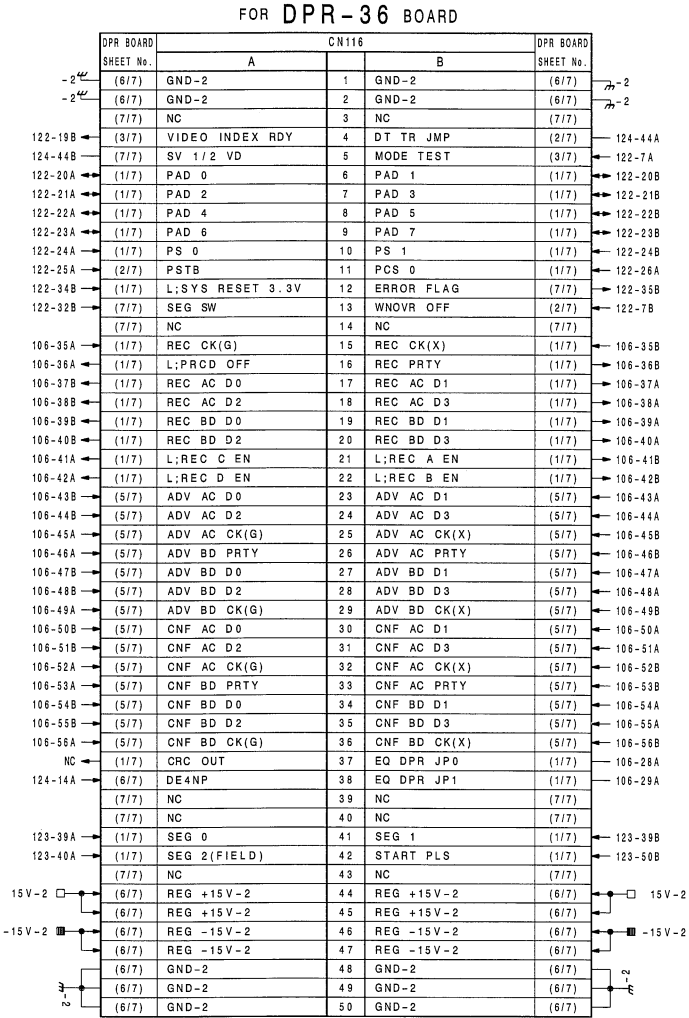
Mother board
MB-441 BOARD (3/6)

BOARD NO. 1-648-560-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

CN113
CN114
CN115
CN135
CN136

DVW-MB441-ALL-REC-S/M-05

MB-441 BOARD		
SHEET No.	REF. No.	CONNECTION
(1/6)	CN100	DEC-65 BKDW-505/506
	CN101	TBC-23 DVW-A500/A500P ONLY (MB-441A MCB)
	CN102	TBC-24
	CN103	DM-89
(2/6)	CN104	AP-28
	CN105	CUE-1AP/1A/1
	CN106	EQ-45A/45
	CN110	DIF-16
(3/6)	CN111	VPR-1
	CN114	
	CN115	
	CN116	
(4/6)	CN117	DPR-36
	CN118	
	CN119	
	CN120	
(5/6)	CN121	APR-1
	CN122	
	CN123	SS-52A/52
	CN124	
(6/6)	CN130	RS232C CONNECTOR
	CN131	VIDEO CONTROL CONNECTOR
	CN132	REMOTE 1 IN(9P) CONNECTOR
	CN133	REMOTE 1 OUT(9P) CONNECTOR
(7/6)	CN134	CONTROL PANEL CONNECTOR
	CN135	CP-218 (CN412)
	CN136	(CN413)
	CN137	CP-220 (CN404)
(8/6)	CN138	CP-218 (CN414)
	CN139	(CN415)
	CN140	(CN402)
	CN142	(CN400)
(9/6)	CN143	CP-220 (CN401)
	CN144	(CN403)
	CN145	VR-152 (CN512)
	CN147	FP-58 (CN500)
(10/6)	CN148	SWC-19 (CN148)
	CN149	HN-181 (CN201)
	CN150	FAN MOTOR(R)
	CN151	(CN201)
(11/6)	CN152	SWITCHING REGULATOR (CN202)
	CN153	(CN206)
	CN154	HN-181 (CN205)
	CN155	NO CONNECTION
(12/6)	CN156	SWITCHING REGULATOR (CN203)
	CN160	CN161 OF MB-441
	CN161	CN160 OF MB-441



LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

Mother board
MB-441 BOARD (4/6)

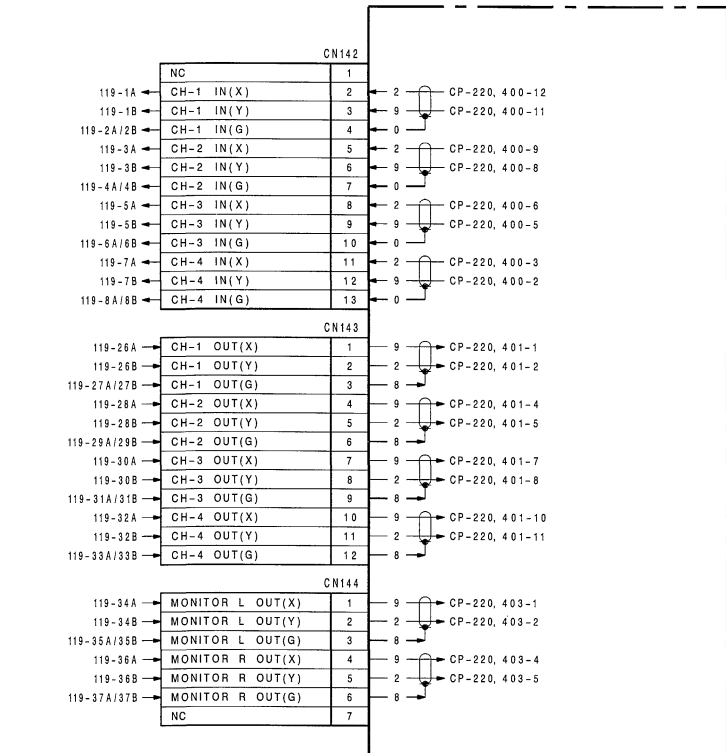
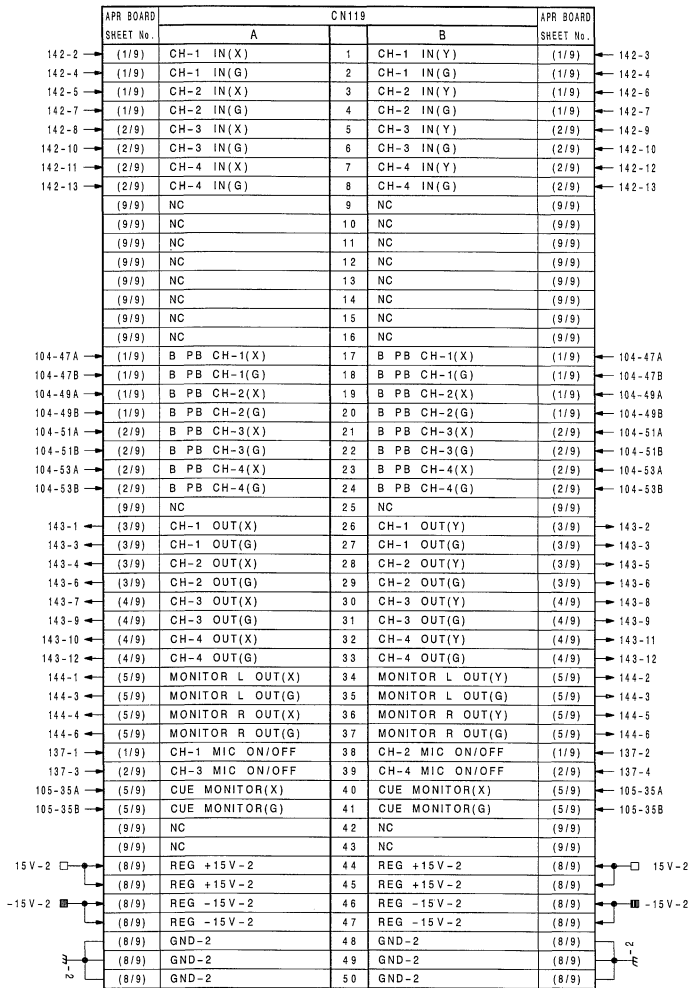
BOARD NO. 1-648-560-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

[DVW-MB441-ALL-REC-S/M-05]

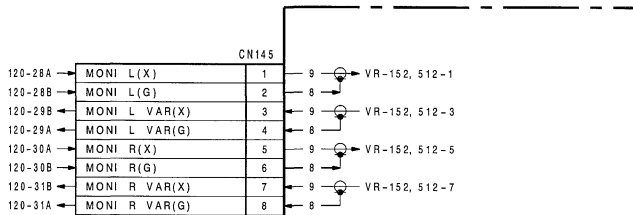
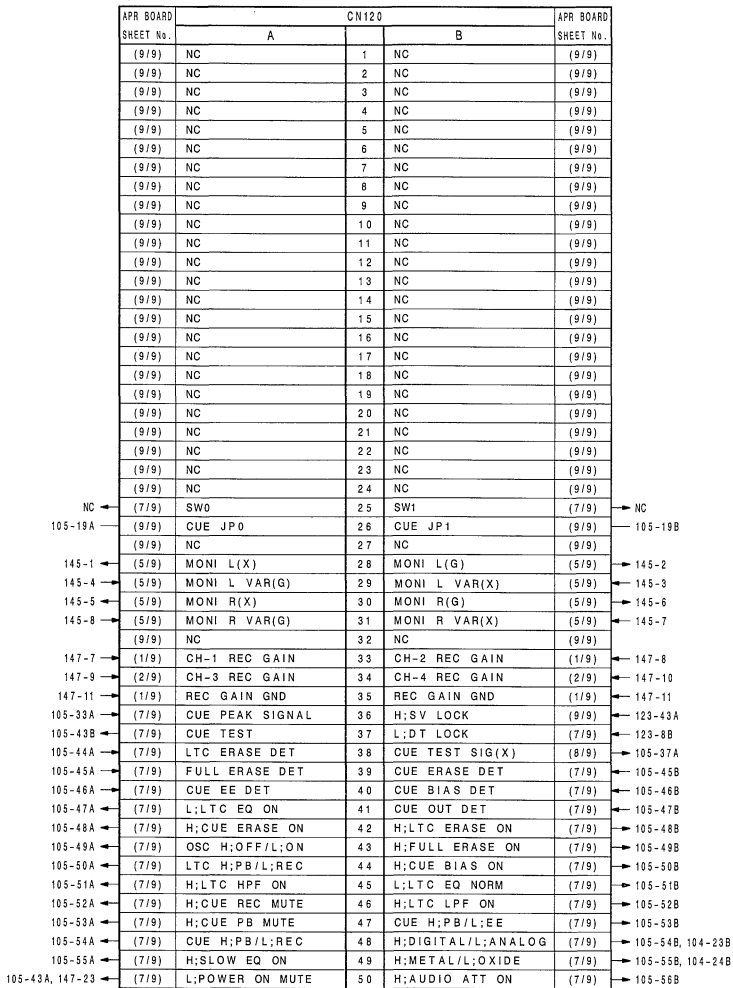
CN116
CN117
CN118

FOR APR-1 BOARD

MB-441 BOARD		CONNECTION	
SHEET No.	REF. No.		
(1/6)	CN100	DEC-65	BKDW-505/506
	CN101	TBC-23	DVW-A500/A500P
	CN102	TBC-24	ONLY
	CN103	DM-89	(MB-441A MCB)
	CN104	AP-28	
(2/6)	CN105	CUE-1AP/1A/1	
	CN106	EQ-45A/45	
	CN110	DIF-16	
	CN112		
(3/6)	CN113		
	CN114	VPR-1	
	CN115		
(4/6)	CN116		
	CN117	DPR-36	
(5/6)	CN118		
	CN119		
	CN120	APR-1	
	CN121		
(6/6)	CN122		
	CN123	SS-52A/52	
	CN124		
	CN130	RS232C CONNECTOR	
(5/6)	CN131	VIDEO CONTROL CONNECTOR	
	CN132	REMOTE 1 IN(9P) CONNECTOR	
(6/6)	CN133	REMOTE 1 OUT(9P) CONNECTOR	
	CN134	CONTROL PANEL CONNECTOR	
(3/6)	CN135	CP-218	(CN412)
	CN136		(CN413)
(5/6)	CN137	CP-220	(CN404)
	CN138		(CN414)
(1/6)	CN139	CP-218	(CN415)
	CN140		(CN402)
(2/6)	CN142	CP-220	(CN400)
	CN143		(CN401)
	CN144		(CN403)
	CN145	VR-152	(CN512)
(5/6)	CN147	FP-58	(CN500)
	CN148	SWC-19	(CN148)
	CN149	HN-181	(CN201)
	CN150	FAN MOTOR(R)	
(6/6)	CN151		(CN201)
	CN152	SWITCHING REGULATOR	(CN202)
	CN153		(CN206)
	CN154	HN-181	(CN205)
	CN155	NO CONNECTION	
	CN156	SWITCHING REGULATOR	(CN203)
(1/6)	CN160	CN161 OF MB-441	
	CN161	CN160 OF MB-441	

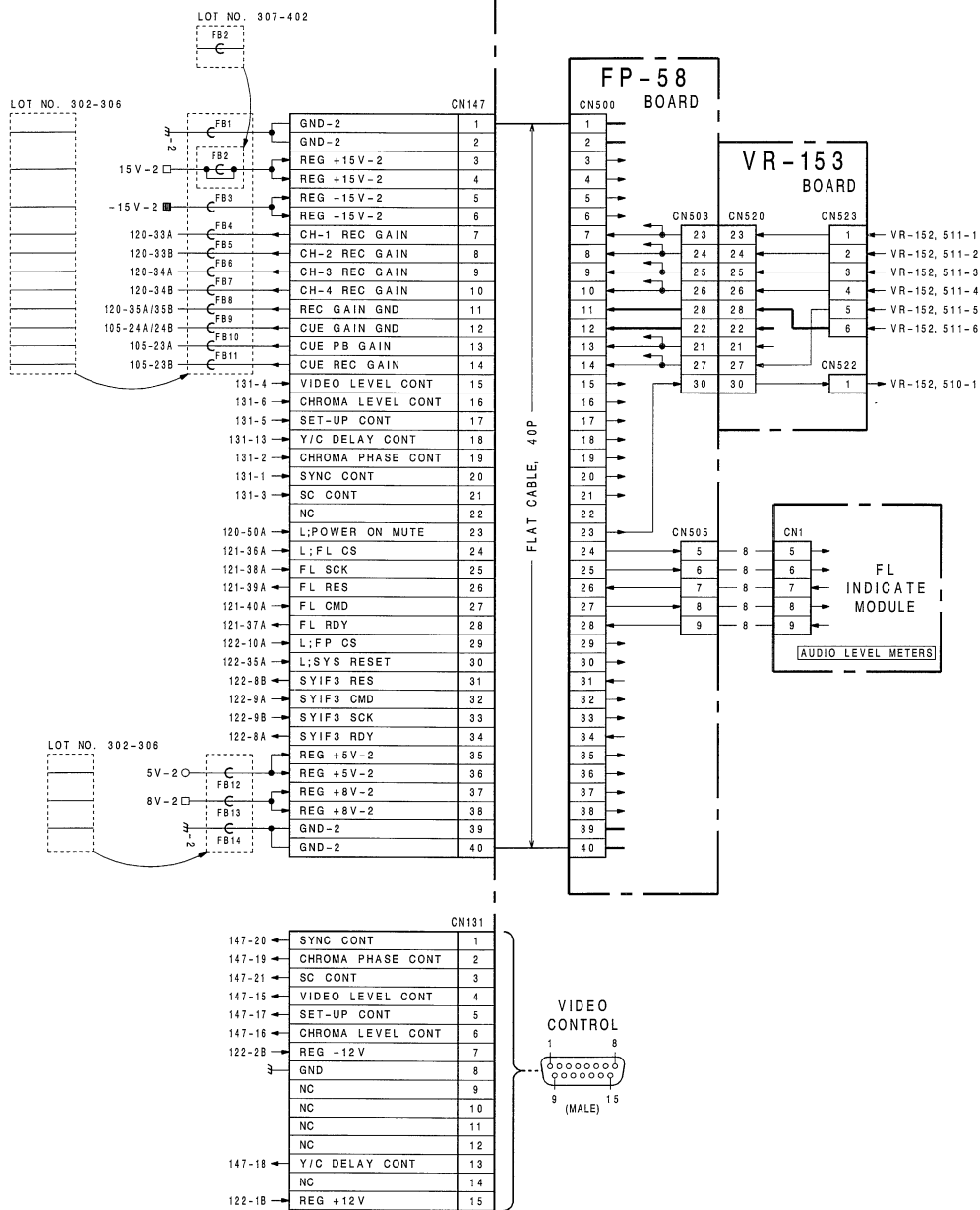
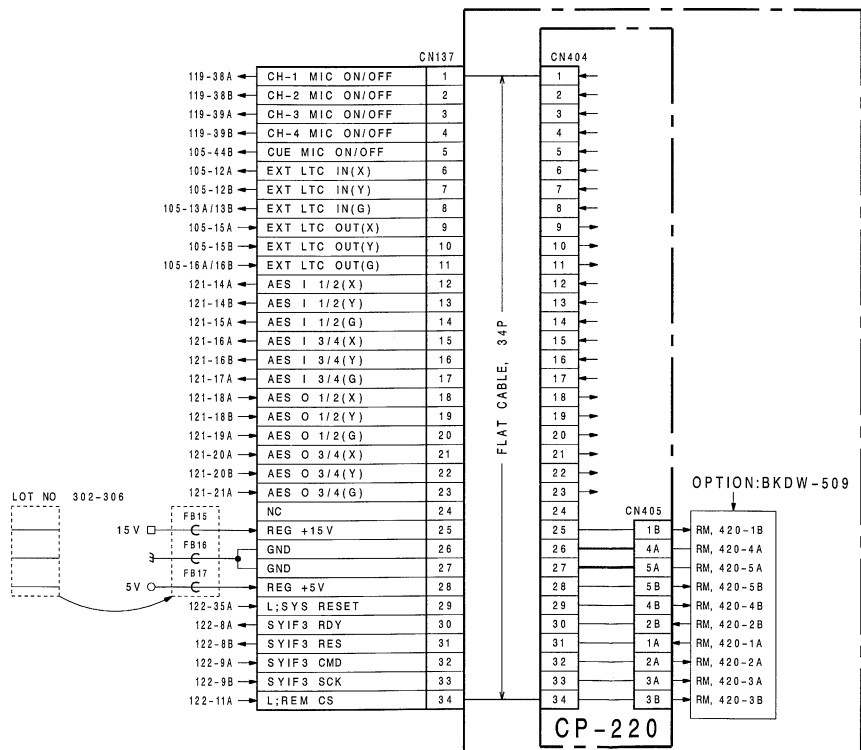


FOR APR-1 BOARD



FOR APR-1 BOARD

APR BOARD SHEET No.	A	B	APR BOARD SHEET No.
(8/9)	GND-2	1 GND-2	(8/9)
(8/9)	GND-2	2 GND-2	(8/9)
(8/9)	GND-2	3 GND-2	(8/9)
(8/9)	REG +8V-2	4 REG +8V-2	(8/9)
(8/9)	REG +8V-2	5 REG +8V-2	(8/9)
(8/9)	REG -8V-2	6 REG -8V-2	(8/9)
(8/9)	REG -8V-2	7 REG -8V-2	(8/9)
(8/9)	REG +5V-2	8 REG +5V-2	(8/9)
(8/9)	REG +5V-2	9 REG +5V-2	(8/9)
(8/9)	REG +3.3V-2	10 REG +3.3V-2	(8/9)
(8/9)	REG +3.3V-2	11 REG +3.3V-2	(8/9)
(8/9)	REG +3.3V-2	12 REG +3.3V-2	(8/9)
(8/9)	REG +3.3V-2	13 REG +3.3V-2	(8/9)
(6/9)	AES I 1/2(X)	14 AES I 1/2(Y)	(6/9)
(6/9)	AES I 1/2(G)	15 NC	(9/9)
(6/9)	AES I 3/4(X)	16 AES I 3/4(Y)	(6/9)
(6/9)	AES I 3/4(G)	17 DRUM LOCK	(7/9)
(6/9)	AES O 1/2(X)	18 AES O 1/2(Y)	(6/9)
(6/9)	AES O 1/2(G)	19 CAPSTAN LOCK	(7/9)
(6/9)	AES O 3/4(X)	20 AES O 3/4(Y)	(6/9)
(6/9)	AES O 3/4(G)	21 DPR AU FSP	(9/9)
(7/9)	APR PLL LOCK	22 L;SYS RESET	(7/9)
(9/9)	AU 512FSO(G)	23 APR VPR JP4	(9/9)
(9/9)	AU 512FSO(X)	24 AU 64FSO	(9/9)
(9/9)	AU 128FSO(G)	25 256FSOP(G)	(9/9)
(9/9)	AU 128FSO(X)	26 256FSOP(X)	(9/9)
(9/9)	AU FSO	27 64FSOP	(9/9)
(9/9)	128FSOP(X)	28 128FSOP(G)	(9/9)
(9/9)	32FSOP	29 FSOP	(9/9)
(9/9)	AD R 1/2	30 DA T 1/2	(9/9)
(9/9)	AD R 3/4	31 DA T 3/4	(9/9)
(9/9)	AES R 1/2	32 AES T 1/2	(9/9)
(9/9)	AES R 3/4	33 AES T 3/4	(9/9)
(9/9)	AES MUTE 1/2	34 MON L/R	(9/9)
(9/9)	AES MUTE 3/4	35 AU SR CS	(7/9)
(7/9)	L;FL CS	36 AU SR START	(7/9)
(7/9)	FL RDY	37 AU SR CLOCK	(7/9)
(7/9)	FL SCK	38 AU SR OUT	(7/9)
(7/9)	FL RES	39 AU SR IN	(7/9)
(7/9)	FL CMD	40 L;POWER ON PULSE	(7/9)
(7/9)	L;APR CS	41 APR JP0	(9/9)
(7/9)	SYIF3 SCK	42 APR JP1	(7/9)
(7/9)	SYIF3 CMD	43 APR JP2	(9/9)
(7/9)	SYIF3 RES	44 SY 1/2 VD	(7/9)
(7/9)	SYIF3 RDY	45 SIF DATA 0	(9/9)
(9/9)	SIF DATA 1	46 SIF DATA 2	(9/9)
(9/9)	SIF DATA 3	47 SIF DATA 4	(9/9)
(9/9)	SIF DATA 5	48 SIF DATA 6	(9/9)
(9/9)	SIF DATA 7	49 SIF ALE	(9/9)
(9/9)	SIF WR	50 SIF RD	(9/9)



LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

Mother board

MB-441 BOARD (5/6)

BOARD NO. 1-648-560-11, 12, 13
 BOARD'S LOT NO. 302-
 DVW-A500(J, UC) :MB-441A MCB
 DVW-A500P(EK) :MB-441A MCB
 DVW-A500P(UC) :MB-441A MCB
 DVW-500 (J, UC) :MB-441 MCB
 DVW-500P (EK) :MB-441 MCB
 DVW-500P (UC) :MB-441 MCB

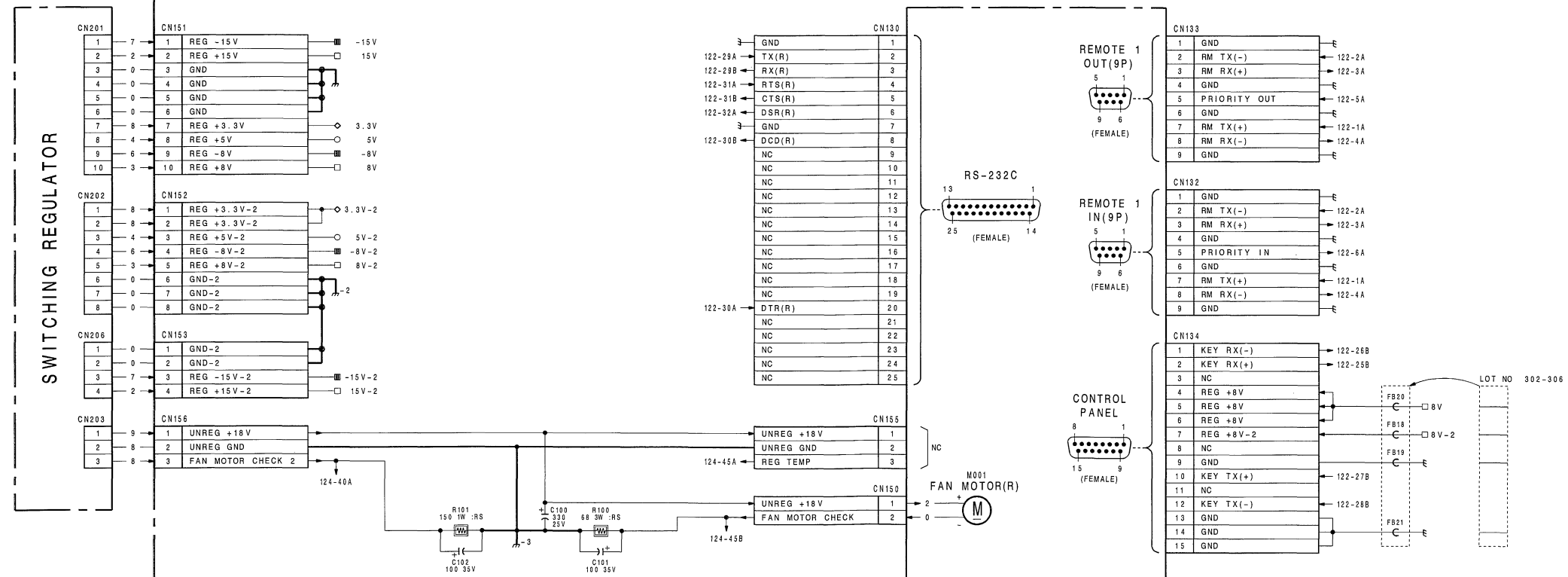
CN119
CN120
CN121
CN131
CN137
CN142
CN143
CN144
CN145
CN147

DVW-MB441-ALL-REC-S/M-04

FOR SS-52A/52 BOARD

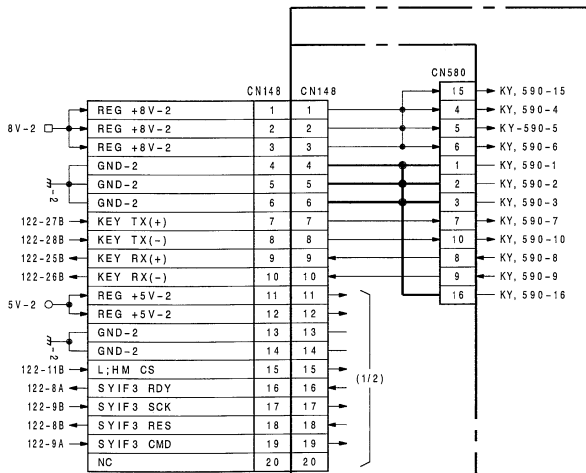
SS BOARD		CN123		SS BOARD	
SHEET No.		A		B	SHEET No.
115-43B	(3/12)	SS VD	1	SS HD	(3/12)
115-22B, 112-20B	(4/12)	CHARA FRAME	2	CHARA SIG(X)	(4/12)
115-22B	(3/12)	SS CK 13.5(X)	3	CHARA SIG(Y)	(4/12)
115-22A	(3/12)	SS CK 13.5(G)	4	L:SS RESET	(1/12)
105-10B	(4/12)	PB LTC	5	LTC SOURCE	(4/12)
105-10A	(4/12)	REC LTC	6	LTC OUT	(4/12)
121-19B	(8/12)	CAPSTAN LOCK	7	DRUM LOCK	(8/12)
121-44B	(7/12)	SY 1/2 VD	8	L:DT LOCK	(9/12)
102-12B	(10/12)	Y WZ	9	C WZ	(10/12)
102-42A	(7/12)	Y PB SYNC	10	SERVO V	(7/12)
101-21A	(9/12)	DT V	11	PB O/E	(10/12)
101-23A	(8/12)	L:REV/H:FWD	12	L:NOISELESS PB	(9/12)
101-25A	(10/12)	L:DT	13	JUMP ID1	(9/12)
101-30A	(8/12)	PB FP1	14	PB FP2	(8/12)
102-17B, 103-48A	(5/12)	DM TBC SS JP0	15	DM TBC SS JP1	(5/12)
102-18A, 103-48B	(7/12)	ADV Y SW PLS	16	ADV C SW PLS	(7/12)
103-16A	(7/12)	L:Y DO PLS	17	L:C DO PLS	(7/12)
103-44B	(8/12)	H:FAST SEARCH	18	L:SLOW BID	(8/12)
103-44A	(10/12)	L:RF Y VBLK	19	L:RF C VBLK	(10/12)
103-37A	(8/12)	DM SS JP3	20	DM SS JP2	(8/12)
103-31A	(9/12)	Y RF ENVELOPE(X)	21	Y RF ENVELOPE(G)	(9/12)
106-28B	(9/12)	ADV AC ENV	22	ADV BD ENV	(9/12)
106-34A	(8/12)	SAT CK(G)	23	SAT CK(X)	(8/12)
	(8/12)	GND-2	24	GND-2	(8/12)
	(8/12)	GND-2	25	PB SAT REC AC	(8/12)
	(8/12)	GND-2	26	EQ GND1	(8/12)
	(8/12)	GND-2	27	PB SAT REC BD	(8/12)
	(8/12)	GND-2	28	EQ GND2	(8/12)
	(8/12)	GND-2	29	PB SAT ADV AC	(8/12)
106-14A	(8/12)	EQ SS JP1	30	EQ GND3	(8/12)
-2W	(8/12)	GND-2	31	PB SAT ADV BD	(8/12)
106-14B	(7/12)	REC SAT AC	32	EQ GND4	(8/12)
-2W	(8/12)	GND-2	33	L:FAST SEARCH	(8/12)
106-15B	(7/12)	L:SAT AC EN	34	EQ SS JP2	(8/12)
106-12B	(7/12)	L:FE A EN	35	L:FE B EN	(7/12)
106-27A, 103-47A	(7/12)	CNF AC FREQ	36	CNF BD FREQ	(7/12)
106-24A	(7/12)	ADV AC FREQ	37	ADV BD FREQ	(7/12)
115-49B	(7/12)	SS CF	38	VPR SS JP1	(5/12)
116-41A	(7/12)	SEG 0	39	SEG 1	(7/12)
116-42A	(7/12)	SEG 2(FIELD)	40	DT 2F	(7/12)
117-24A	(7/12)	DT SEG 0	41	DT SEG 1	(7/12)
117-25B	(7/12)	SYNC PLS	42	PP SV-REF	(7/12)
117-27A, 120-38B	(8/12)	H:SV LOCK	43	DIRECTION	(7/12)
117-28A	(7/12)	PB 2F	44	PB 4F	(7/12)
117-29A	(7/12)	PB 8F	45	CAP 8FG	(7/12)
117-30A	(7/12)	5F INERTIA	46	DT JUMP	(7/12)
106-13B, 117-31A	(7/12)	REC AC SEL	47	REC BD SEL	(7/12)
106-22A, 117-32A	(7/12)	CNF AC SEL	48	CNF BD SEL	(7/12)
106-20A, 117-33A	(7/12)	ADV AC SEL	49	ADV BD SEL	(7/12)
117-34A	(7/12)	L:B-CAM 3.3V	50	START PLS	(8/12)

LOT NO. 302-402 ONLY
101-24A, 103-10B, 104-22B

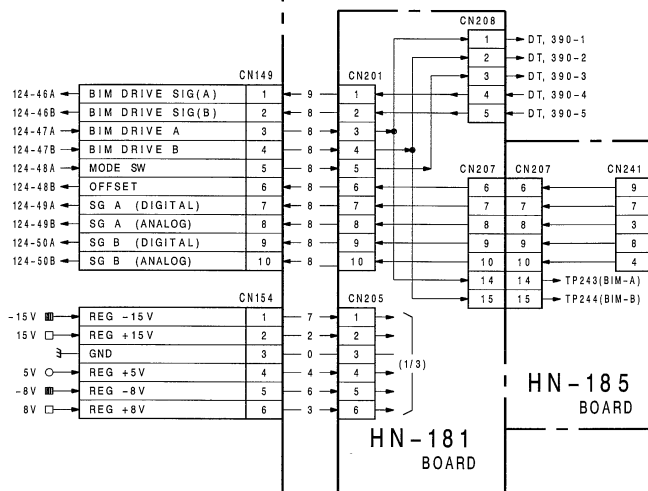
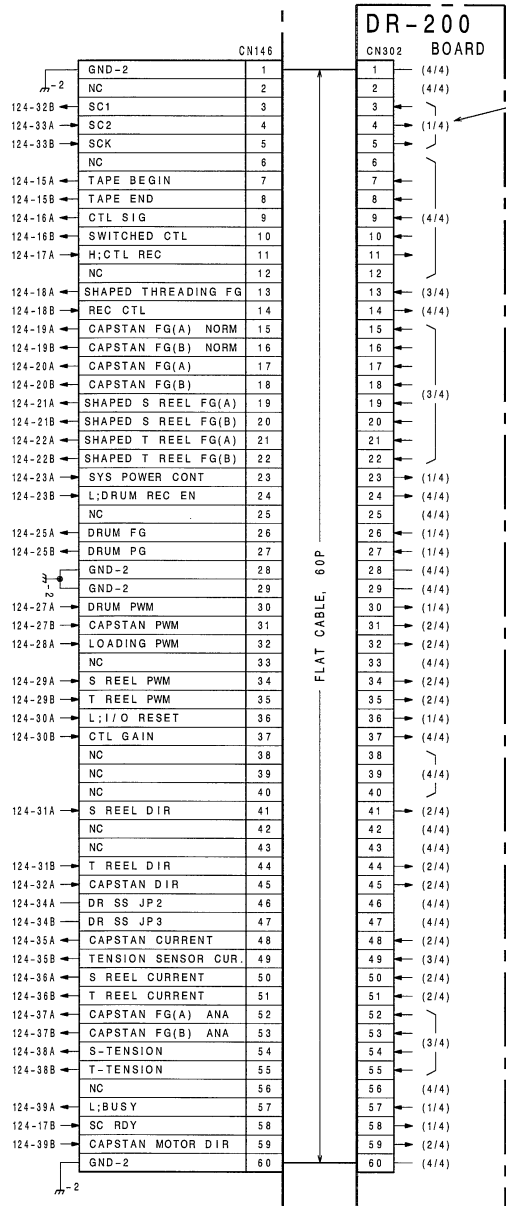


FOR SS-52A/52 BOARD

SS BOARD	CN124		SS BOARD
SHEET No.	A	B	SHEET No.
(6/12)	GND-2	1	GND-2
(6/12)	GND-2	2	GND-2
(6/12)	GND-2	3	GND-2
(6/12)	REG +8V-2	4	REG +8V-2
(6/12)	REG +8V-2	5	REG +8V-2
(6/12)	REG -8V-2	6	REG -8V-2
(6/12)	REG -8V-2	7	REG -8V-2
(6/12)	REG +5V-2	8	REG +5V-2
(6/12)	REG +5V-2	9	REG +5V-2
(6/12)	REG +3.3V-2	10	REG +3.3V-2
(6/12)	REG +3.3V-2	11	REG +3.3V-2
(6/12)	REG +3.3V-2	12	REG +3.3V-2
(6/12)	REG +3.3V-2	13	REG +3.3V-2
(7/12)	DE4NP	14	NC
(6/12)	TAPE BEGIN	15	TAPE END
(7/12)	CTL SIG	16	SWITCHED CTL
(6/12)	H:CTL REC	17	SC RDY
(7/12)	SHAPED THREADING FG	18	REC CTL
(7/12)	CAPSTAN FG(A) NORM	19	CAPSTAN FG(B) NORM
(7/12)	CAPSTAN FG(A)	20	CAPSTAN FG(B)
(7/12)	SHAPED S REEL FG(A)	21	SHAPED S REEL FG(B)
(7/12)	SHAPED T REEL FG(A)	22	SHAPED T REEL FG(B)
(11/12)	SYS POWER CONT	23	L:DRUM REC EN
(7/12)	NC	24	NC
(7/12)	DRUM FG	25	DRUM PG
(7/12)	GND-2	26	GND-2
(7/12)	DRUM PWM	27	CAPSTAN PWM
(7/12)	LOADING PWM	28	GND-2
(7/12)	S REEL PWM	29	T REEL PWM
(8/12)	L:I/O RESET	30	CTL GAIN
(8/12)	S REEL DIR	31	T REEL DIR
(7/12)	CAPSTAN DIR	32	SC1
(6/12)	SC2	33	SCK
(7/12)	DR SS JP2	34	DR SS JP3
(6/12)	CAPSTAN CURRENT	35	TENSION SENSOR CUR
(6/12)	S REEL CURRENT	36	T REEL CURRENT
(6/12)	CAPSTAN FG(A) ANA	37	CAPSTAN FG(B) ANA
(6/12)	S-TENSION	38	T-TENSION
(6/12)	L:BUSY	39	CAPSTAN MOTOR DIR
(6/12)	FAN MOTOR CHECK 2	40	NC
(10/12)	L:Y PCM MUTE	41	L:C PCM MUTE
(9/12)	JUMP ID0	42	JUMP ID2
(7/12)	DM SS JP0	43	DM SS JP1
(7/12)	DT TR JMP	44	SV 1/2 VD
(8/12)	REG TEMP	45	FAN MOTOR CHECK
(9/12)	BIM DRIVE SIG(A)	46	BIM DRIVE SIG(B)
(11/12)	BIM DRIVE A	47	BIM DRIVE B
(9/12)	MODE SW	48	OFFSET
(11/12)	SG A (DIGITAL)	49	SG A (ANALOG)
(11/12)	SG B (DIGITAL)	50	SG B (ANALOG)



SWC-19 BOARD



LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

Mother board
MB-441 BOARD (6/6)

BOARD NO. 1-648-560-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

DVW-MB441-ALL-REC-S/M-05

Section 2

Schematic Diagram for Optional Boards

Circuit Function

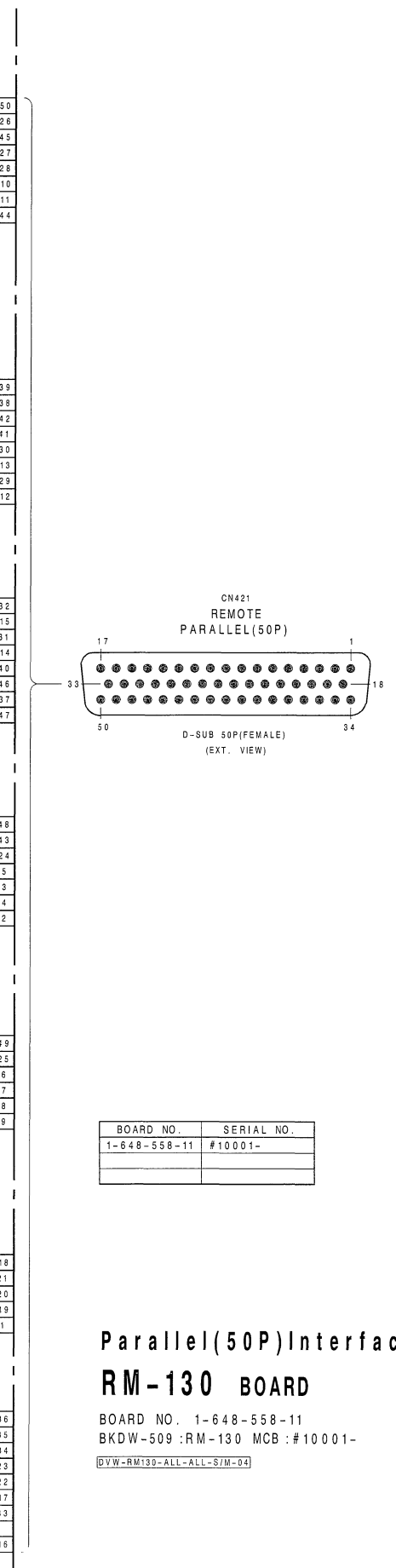
Model name	Board name	Circuit Function	Page
BKDW-505	DEC-65	Analog composite video decoder (Composite-component conversion, A/D conversion)	2-8
BKDW-507	PP-45	Audio program play	2-4
BKDW-509	RM-130	Parallel (50P) interface	2-3
BKDW-514	KY-231	Panel function control	2-12
	DP-176	Time counter display	
	PTC-69	Search dial sensor, Dial solenoid connection	
	CP-266	Panel control CPU, EL control, PIO, Memory card I/F	
	PTC-69	Search dial sensor, Dial solenoid connection	
BKDW-515	KY-330	Editing operation/tape transport control switches, Memory card connector	2-18
	SW-749	Function control switches	2-19

Note

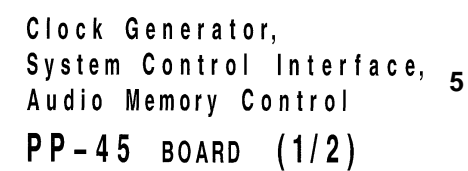
The △-marked components are critical to safety.
Replace only with same components as specified.

注意

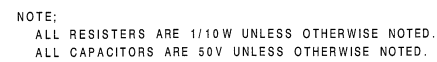
△印の部品は安全性を維持するために重要な部品です。
従って交換するときは必ず指定の部品を使ってください。

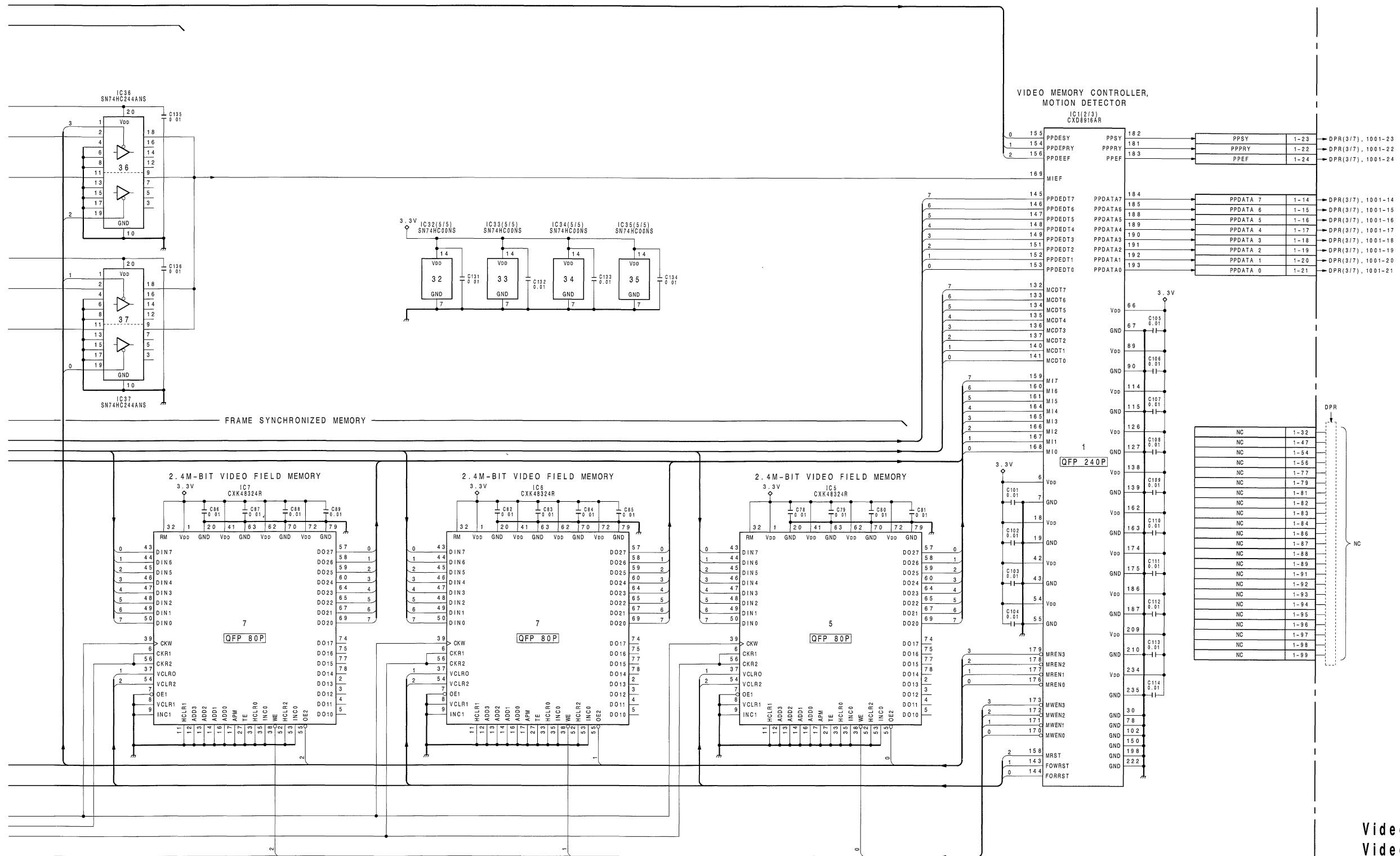


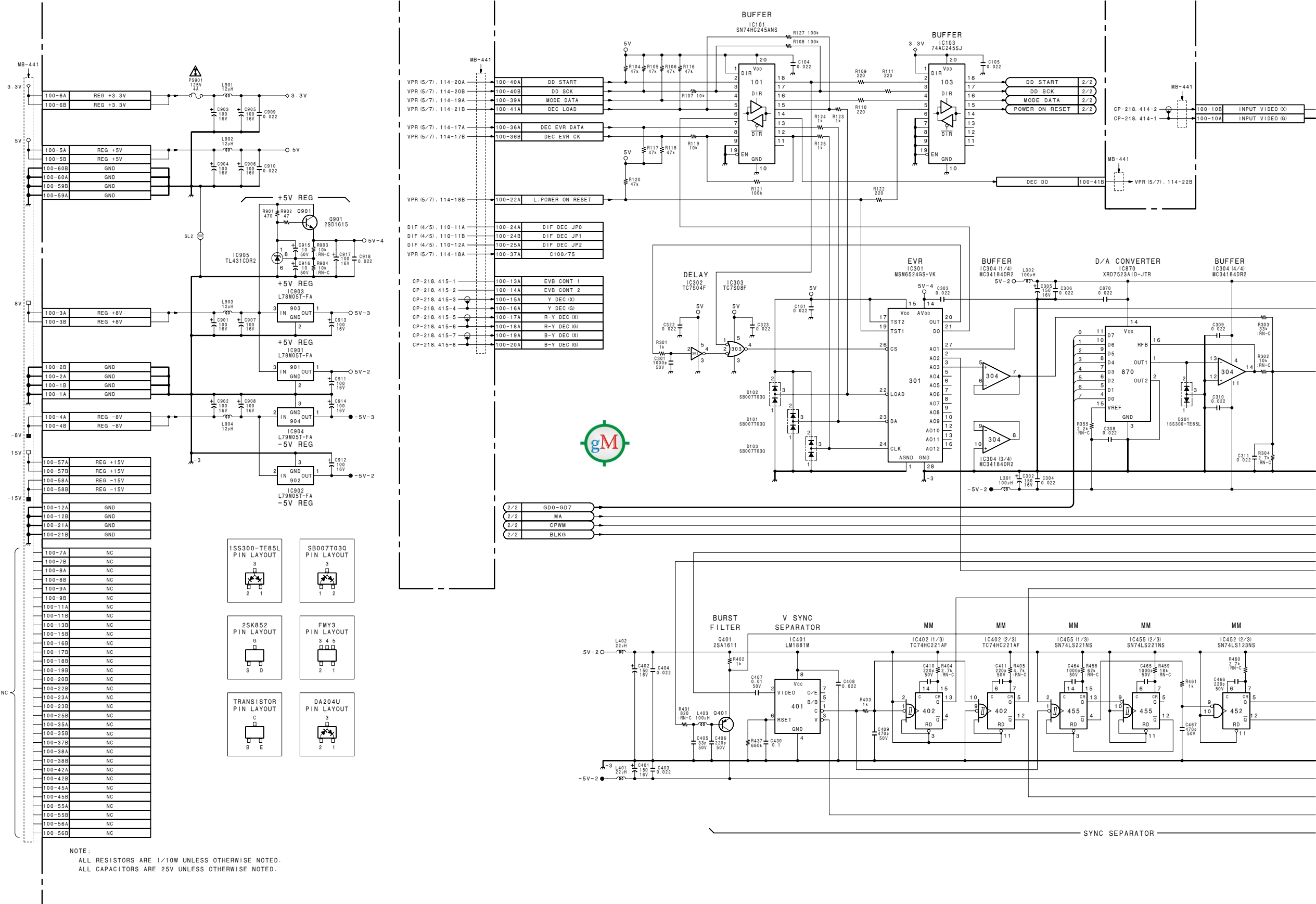


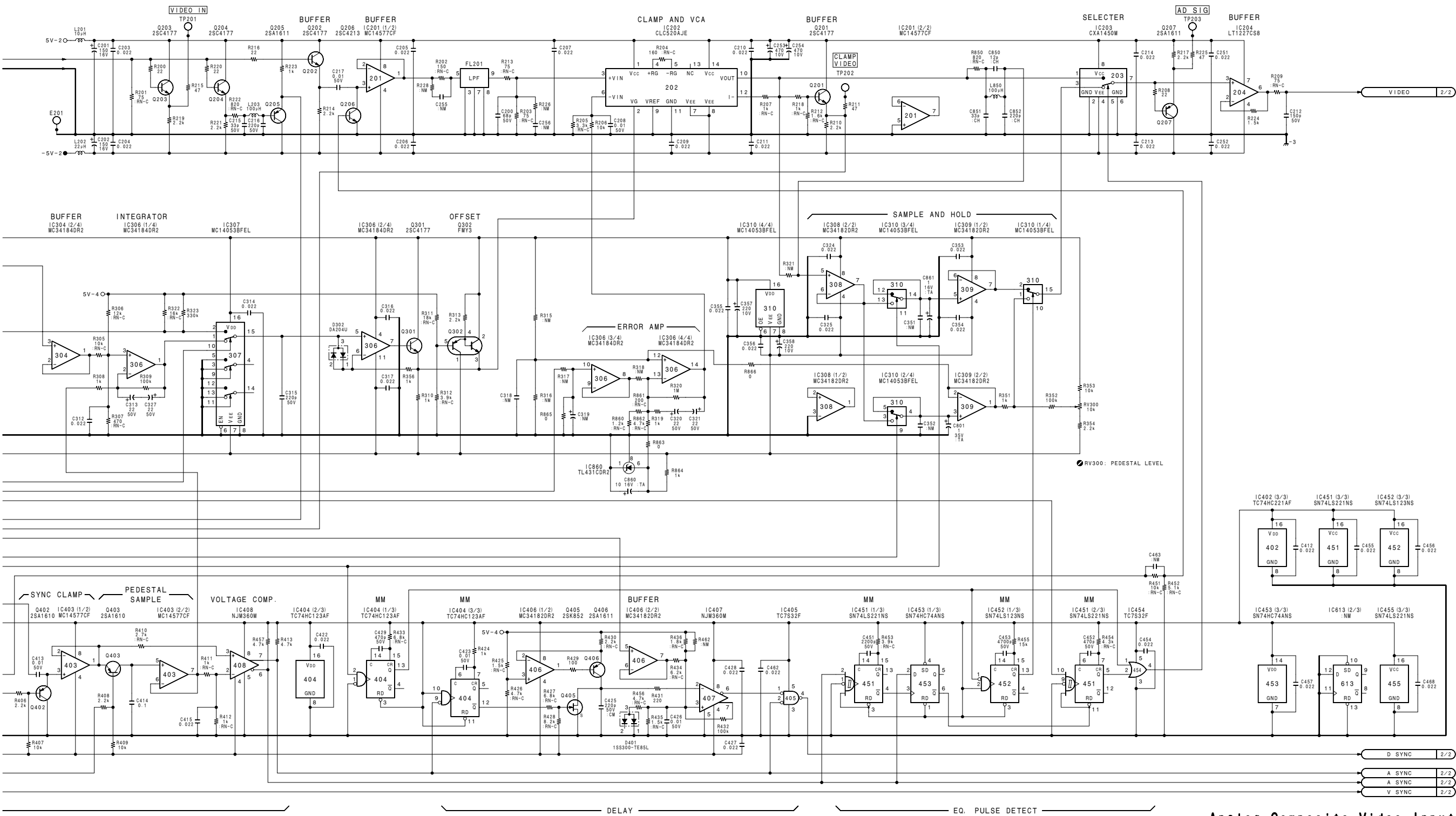


DVW-PP45-ALL-ALL-S/M-02





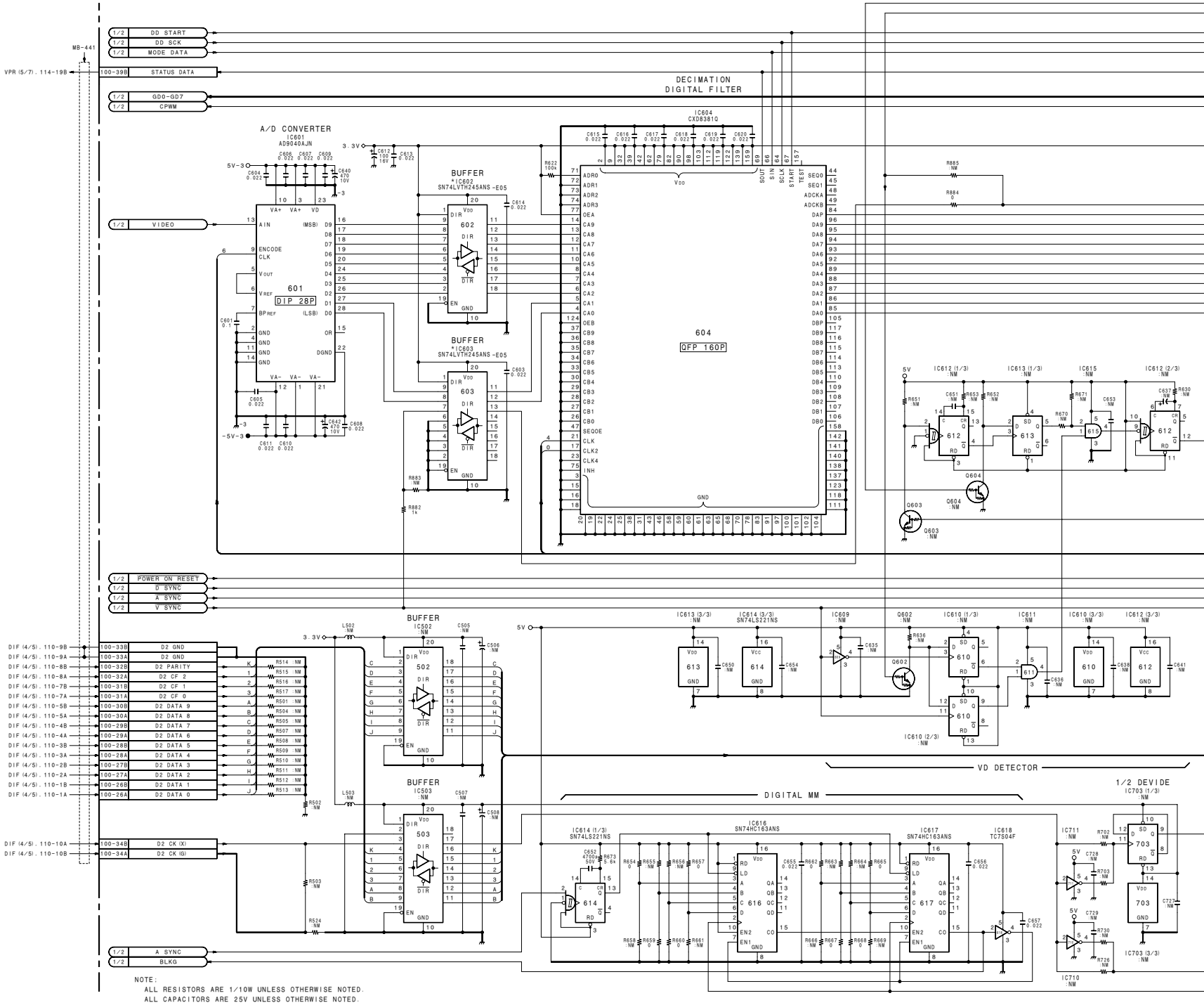




Analog Composite Video Input
(EVR, AGC, SYNC Separator)
DEC-65 BOARD (1/2)

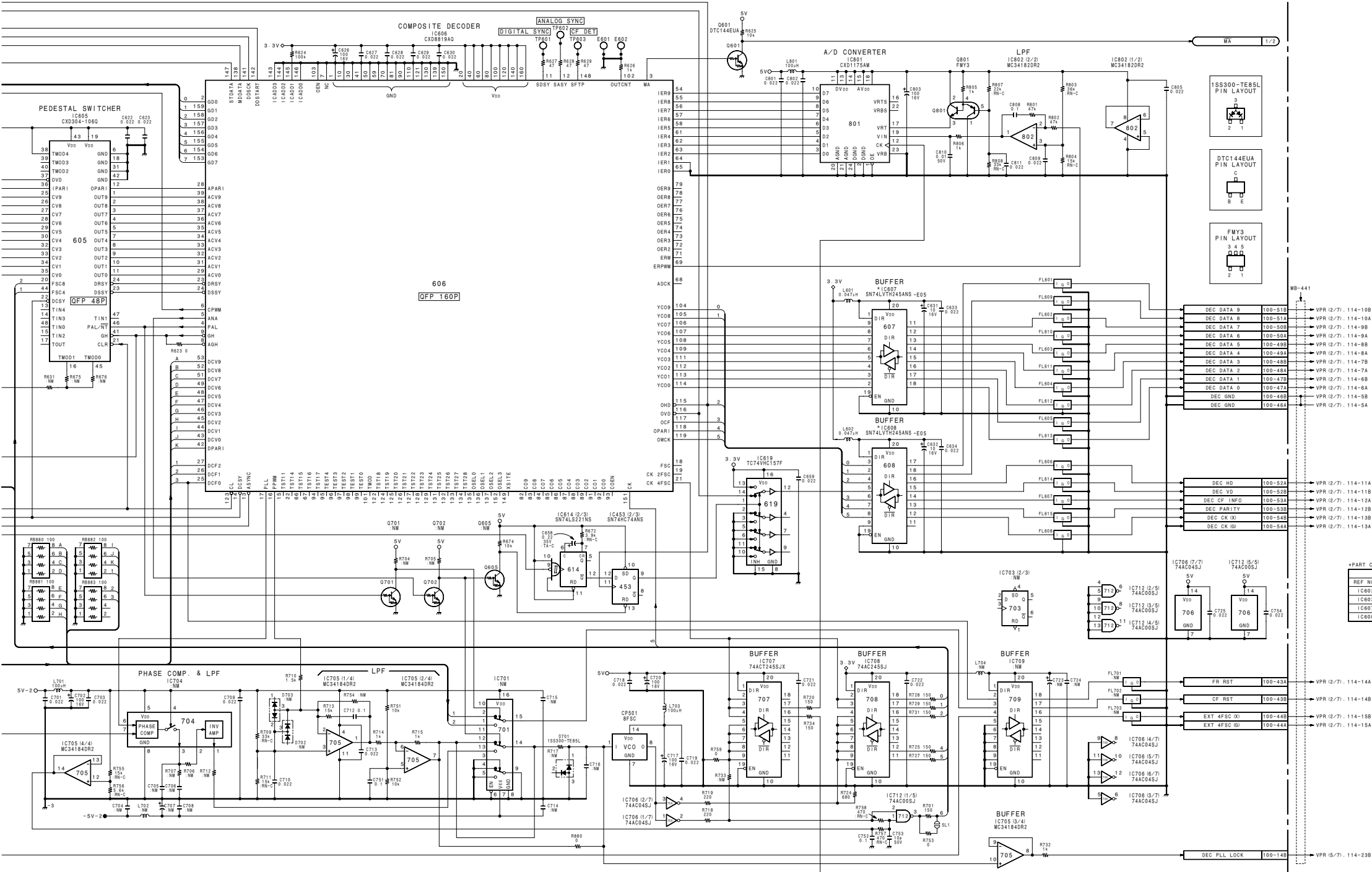
BOARD NO. 1-648-545-14.15
BKDW-505 (UCJ) : DEC-65 MCB : #14131-
[DVW-DEC65-NTSC-REC-S/M-05-D]

BORAD NO.	SERIAL NO.
1-648-545-14	#14131-#18180
1-648-545-15	#18181-



2-10 (d)

2-10 (d)



*PART CHANGE INFORMATION				
PART CHANGE INFORMATION		CHANGE	REPAIR PART	SIMULTANEOUSLY
REF. NO.	OLD	NEW	LOT NO.	FOR OLD PART
IC602	SN74LVTH245ANS-E05	SN74LVTH245ANS-E05	905	SN74LVTH245ANS-E05
IC603				
IC607				
IC608				

BORAD NO.	SERIAL NO.
1-648-545-14	#14131-#18180
1-648-545-15	#18181-

Analog Composite Video Input
(EVR, AGC, SYNC Separator)
DEC-65 BOARD (2/2)

BOARD NO. 1-648-545-14, 15
BKDW-505 (UCJ) : DEC-65 MCB : #14131-
[D.VW-DEC65-NTSC-REC-S/M-05-0]

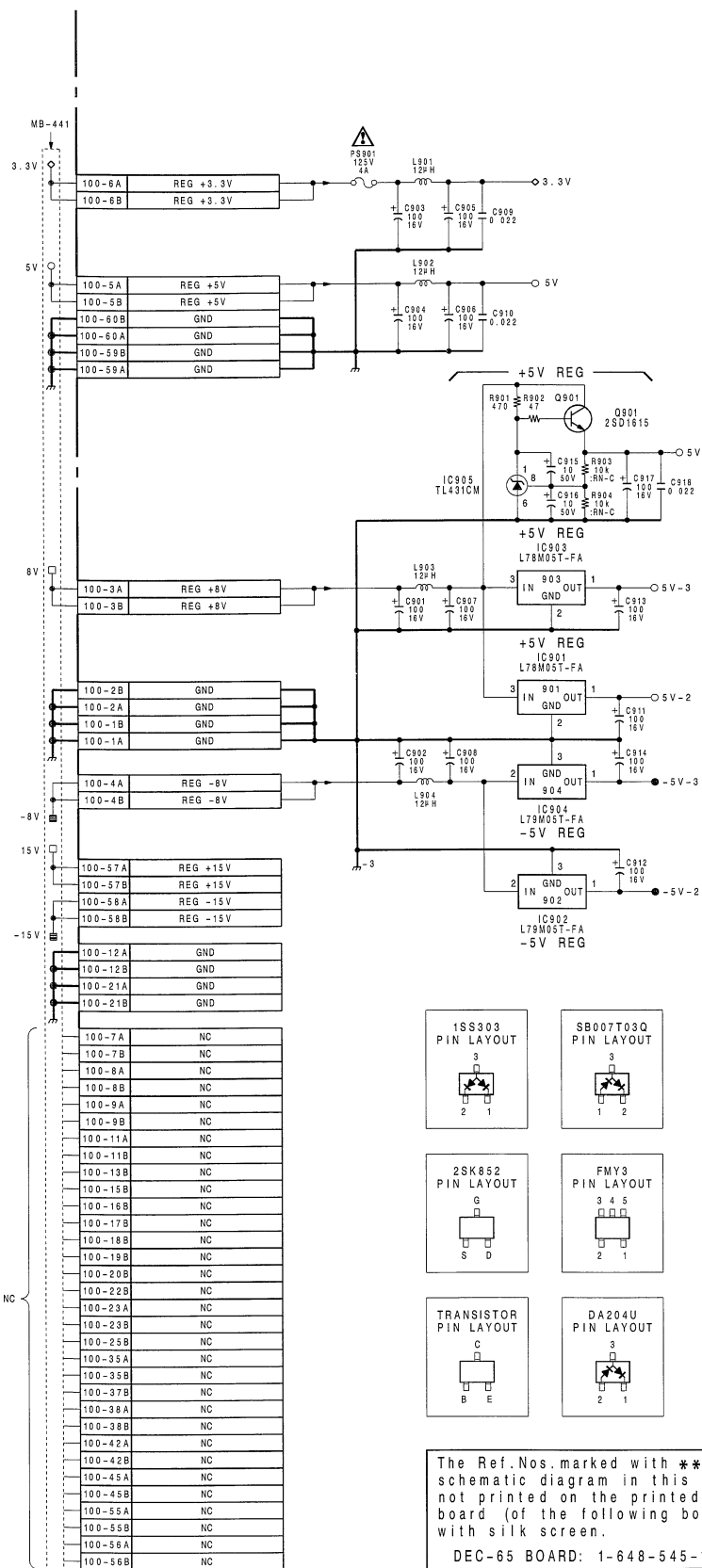
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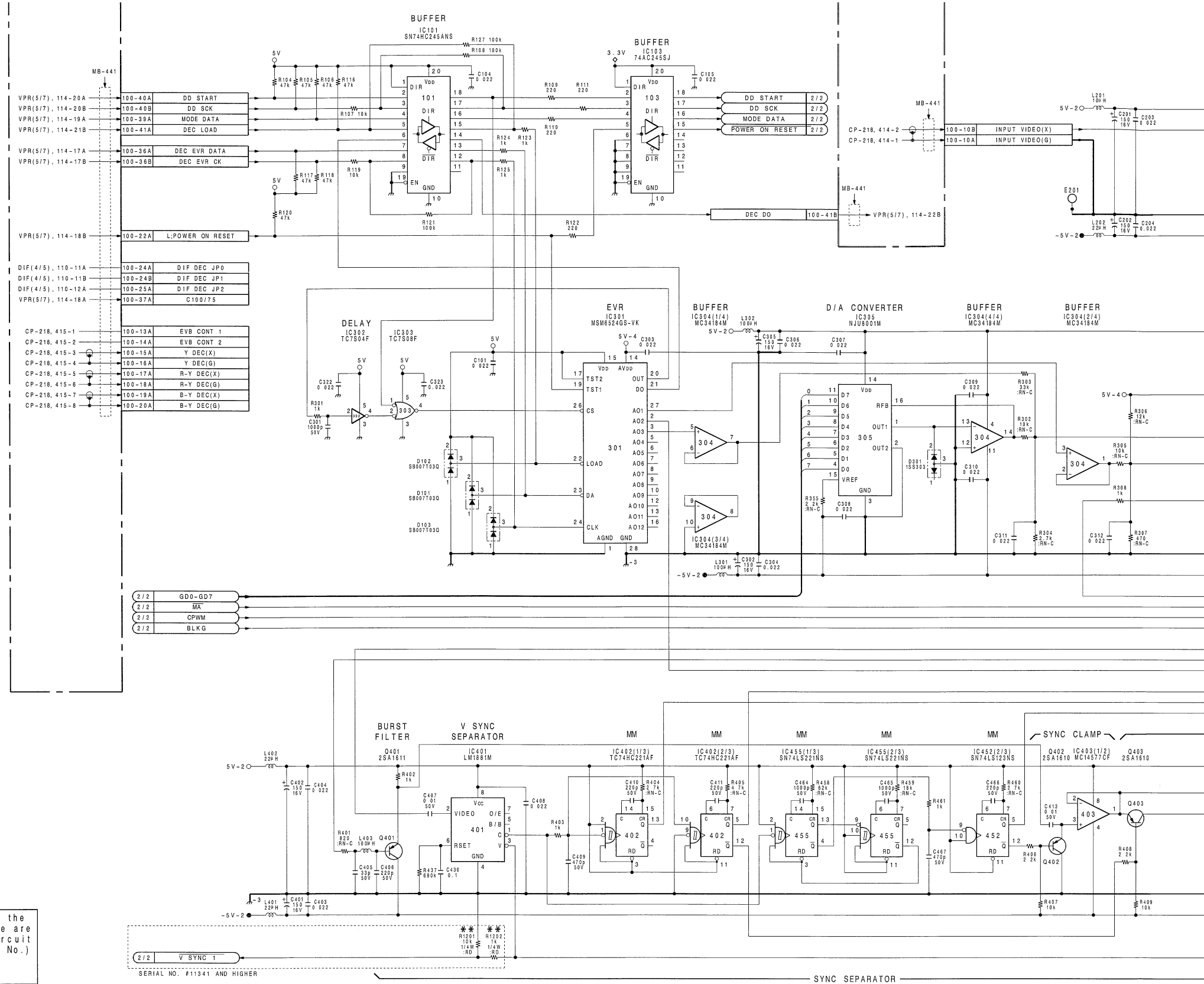
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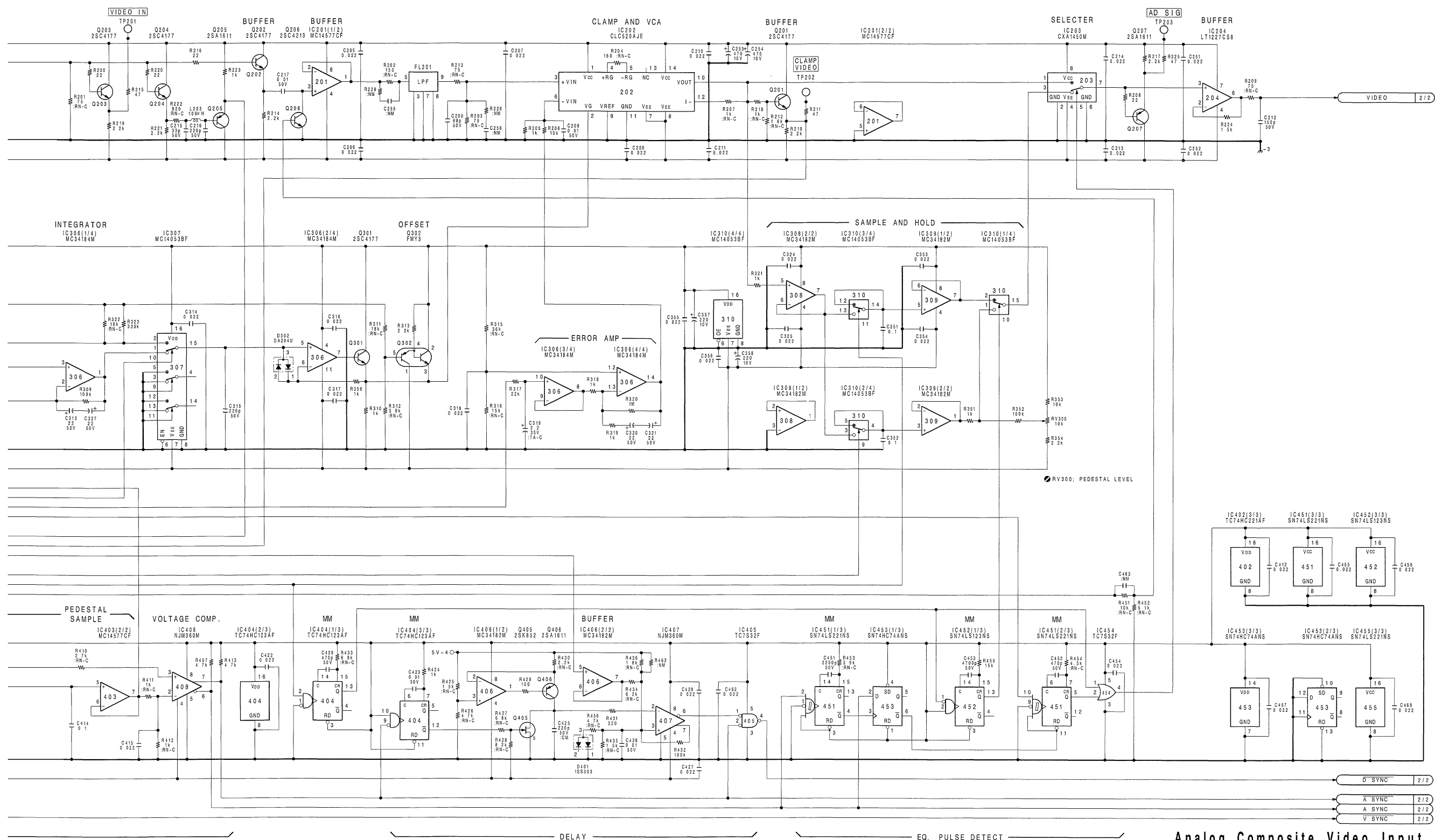
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5



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



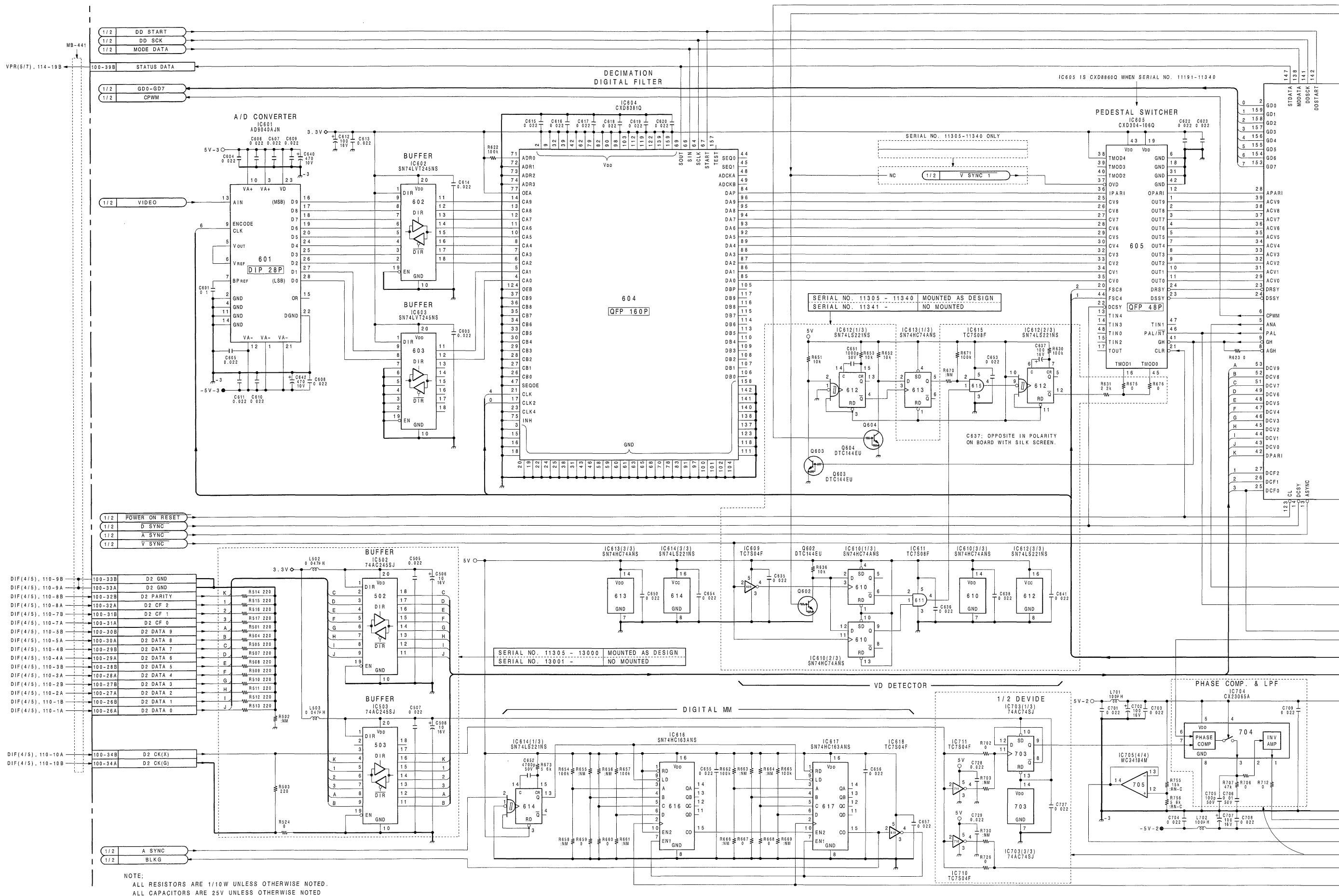


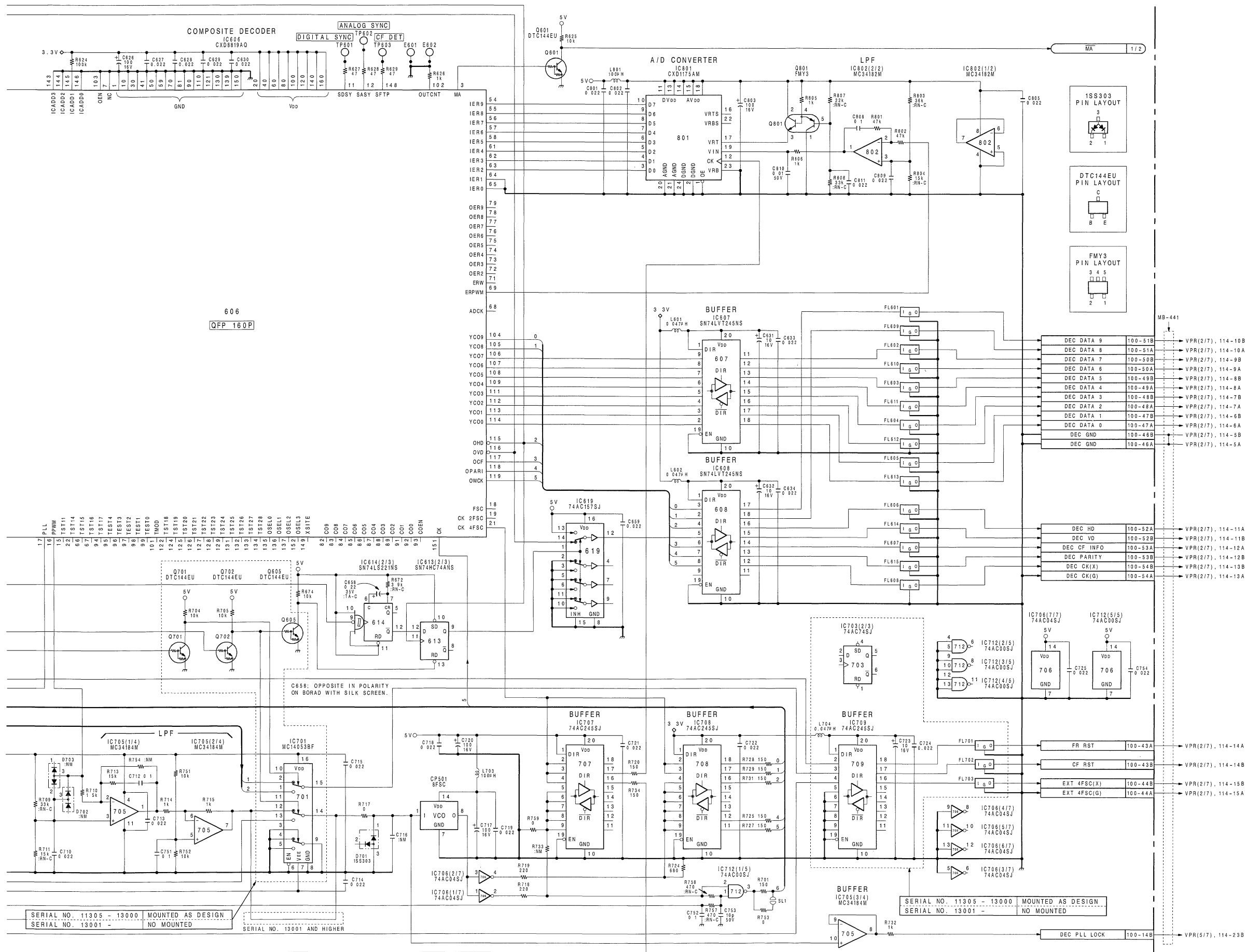
Analog Composite Video Input (EVR, AGC, SYNC Separator)

DEC-65 BOARD (1/2)

BOARD NO. 1-648-545-13
BKDW-505(UCJ) :DEC-65 MCB :#11305-14130

DVW-DEC65-NTSC-REC-S/M-05-C





Analog Composite Decode (A/D, Digital Filter) DEC-65 BOARD (2/2)

BOARD NO. 1-648-545-13
BKDW-505(UCJ) :DEC-65 MCB :#11305-14130
DVW-DEC65-NTSC-REC-S/M-05-C

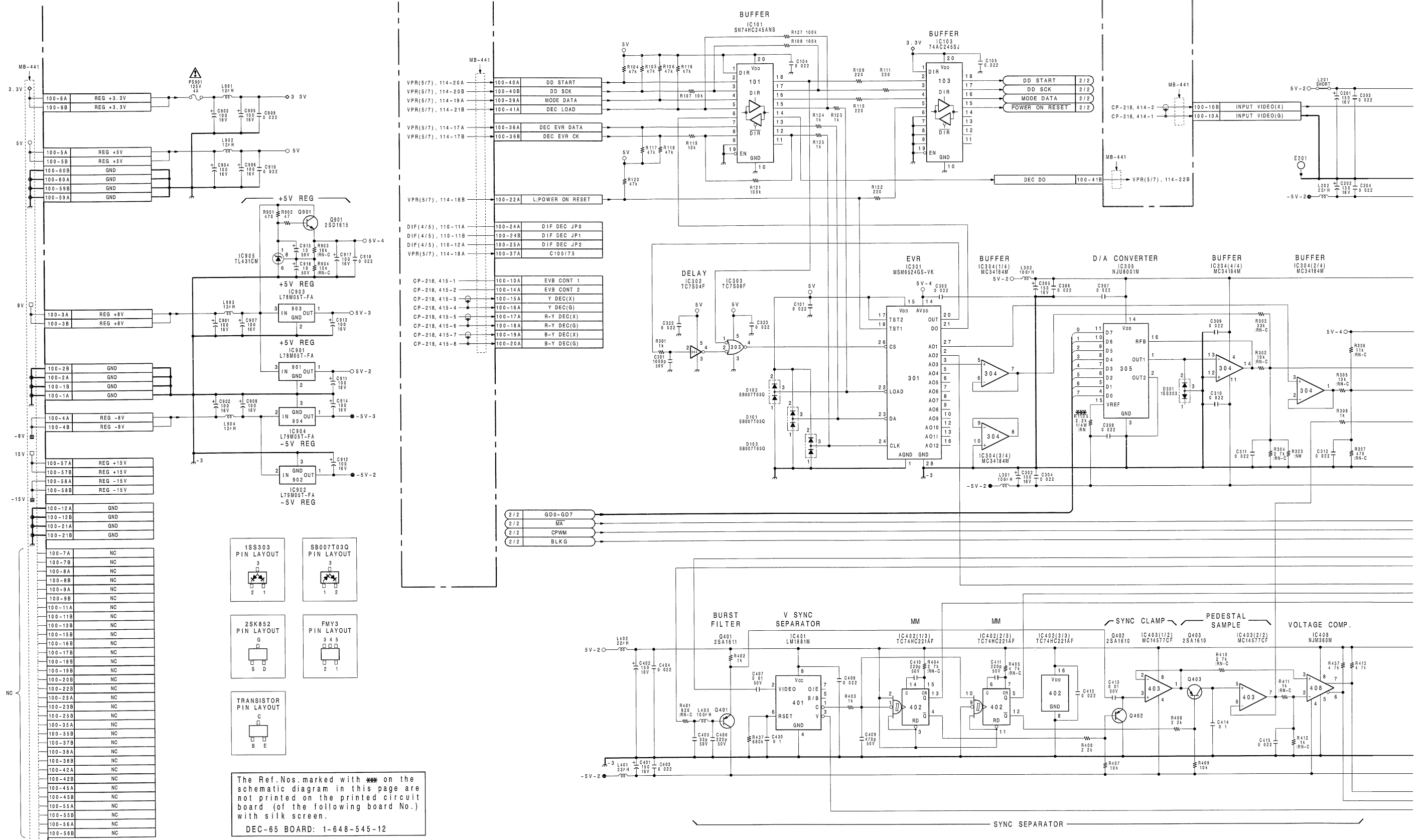
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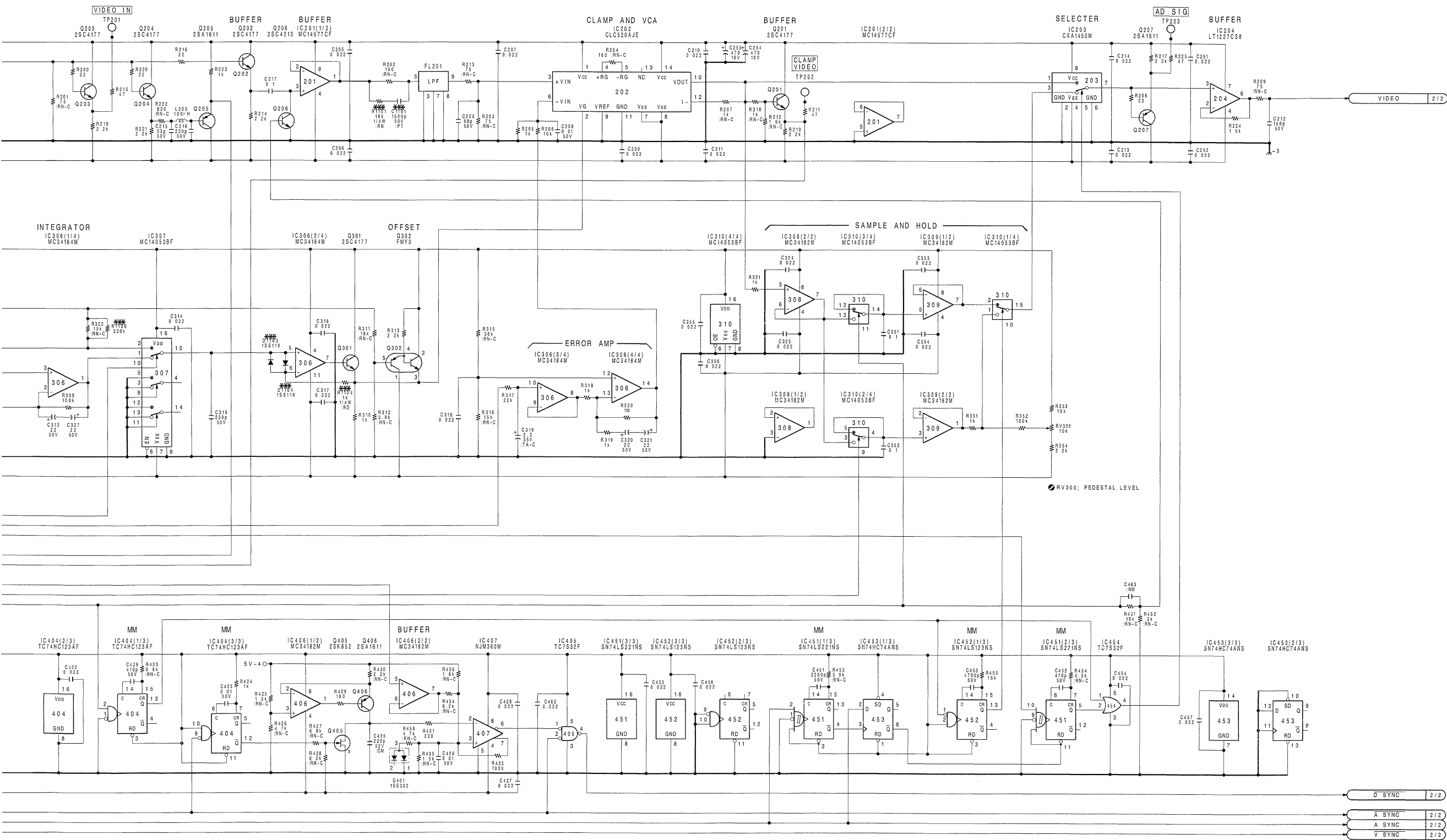
2

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Analog Composite Video Input
(EVR, AGC, SYNC Separator)
DEC-65 BOARD (1/2)

BOARD NO. 1-648-545-12
BKDW-505(UCJ) :DEC-65 MCB :#10701-#11304

DVW-DEC65-NTSC-REC-S/M-04-B

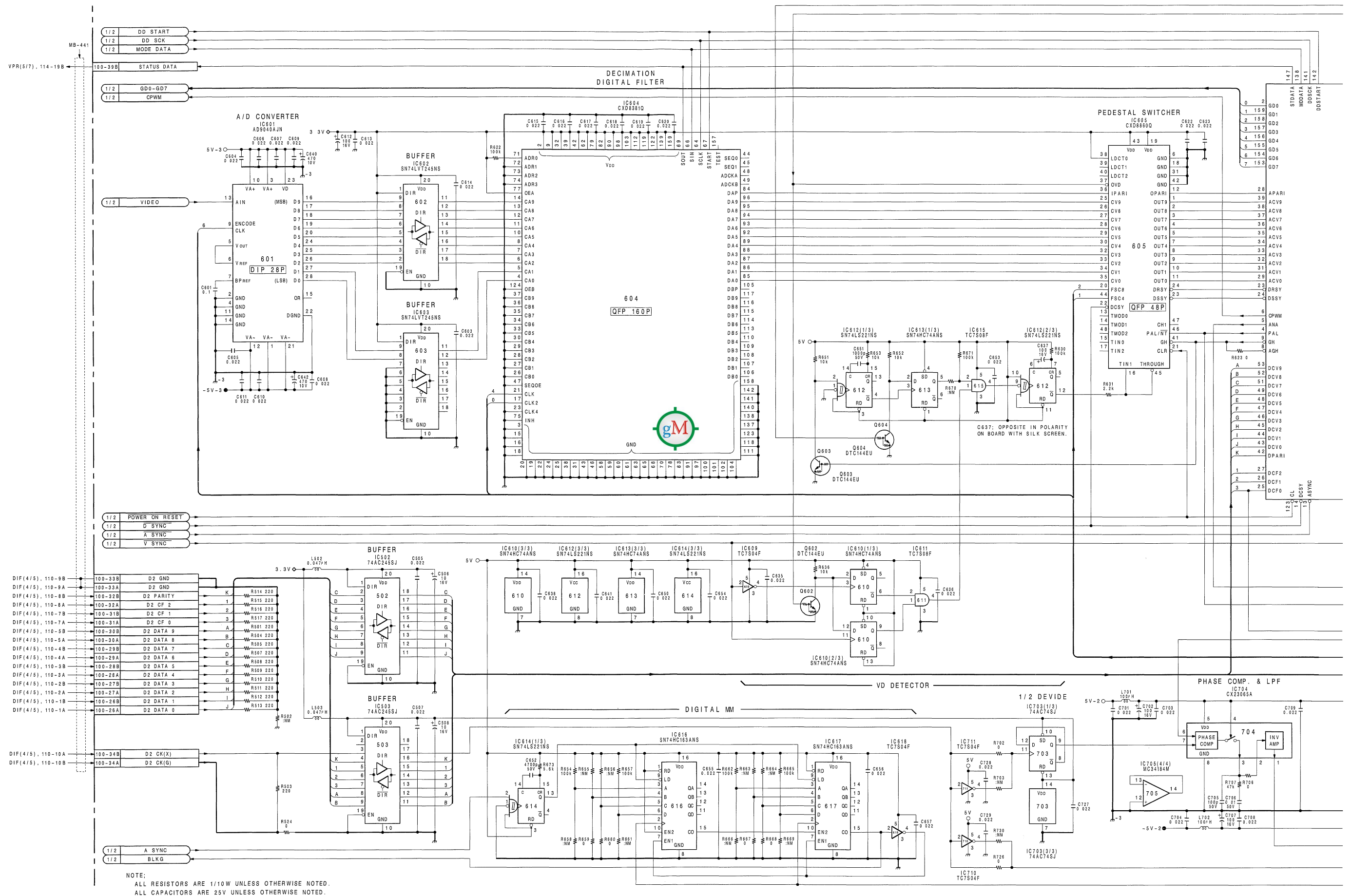
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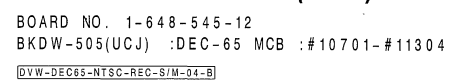
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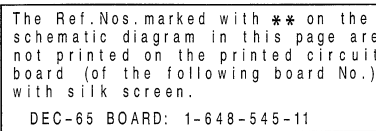


2-10 (b)

2-10 (b)

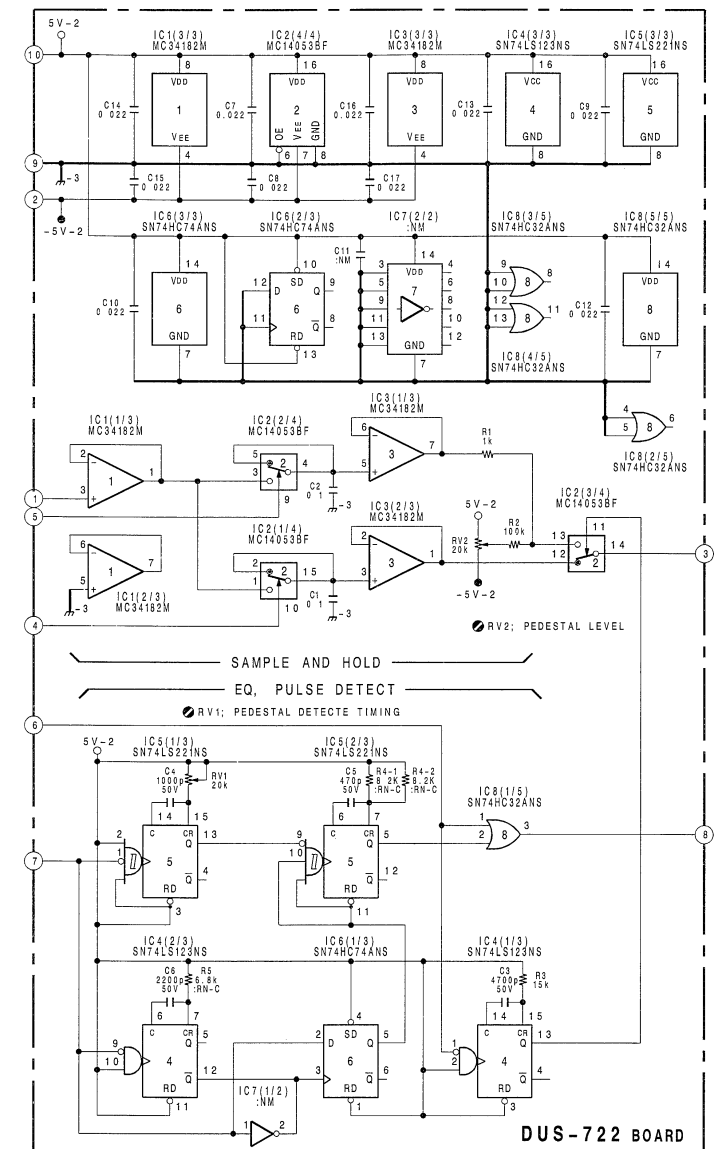
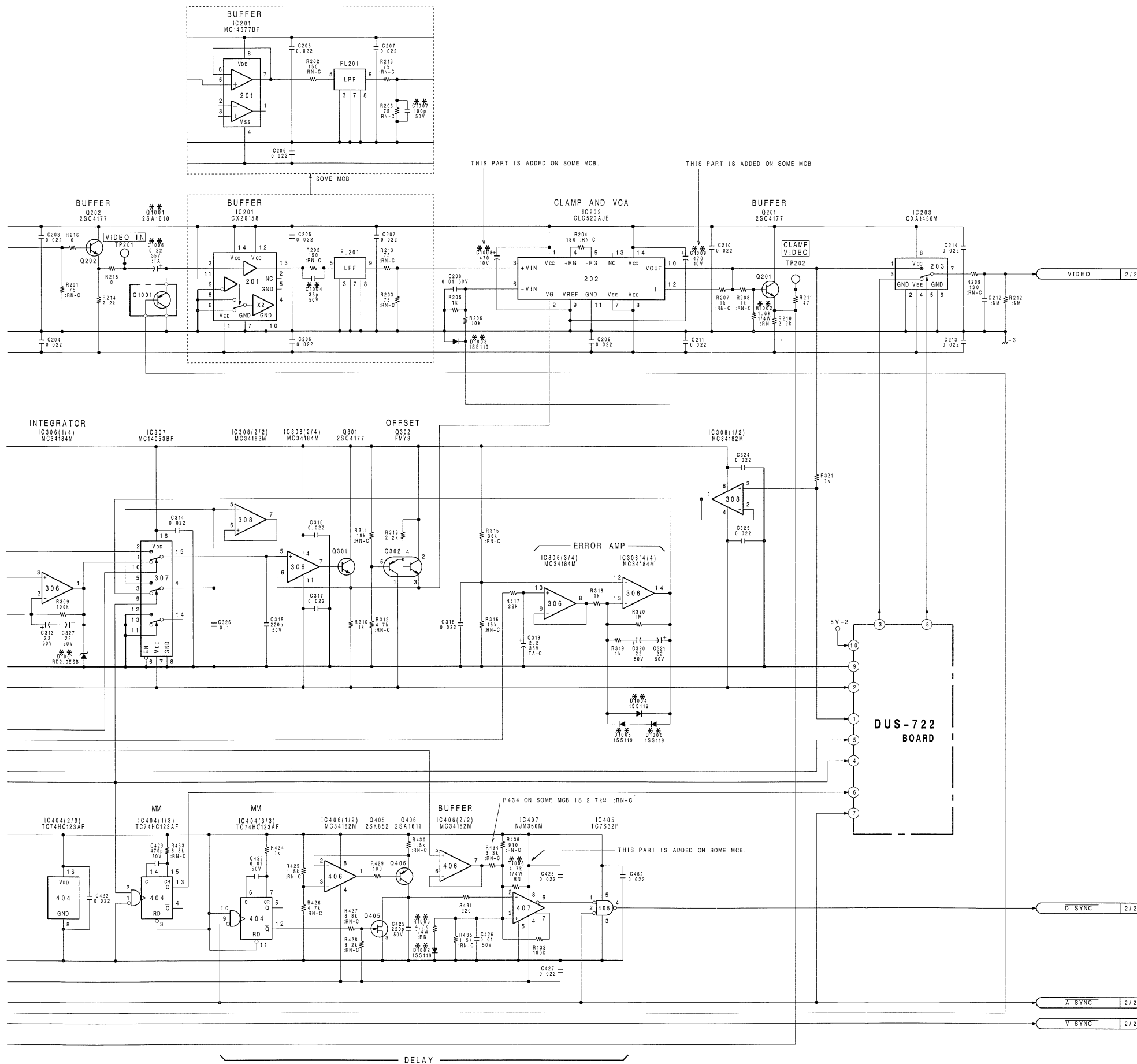


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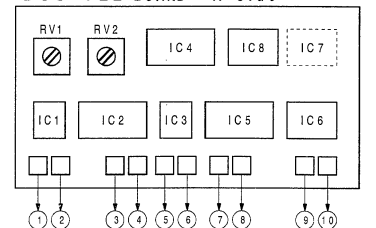


2-8 (a)





DUS-722 BOARD -A Side-



DUS-722 BOARD

BOARD NO. 1-650-561-11

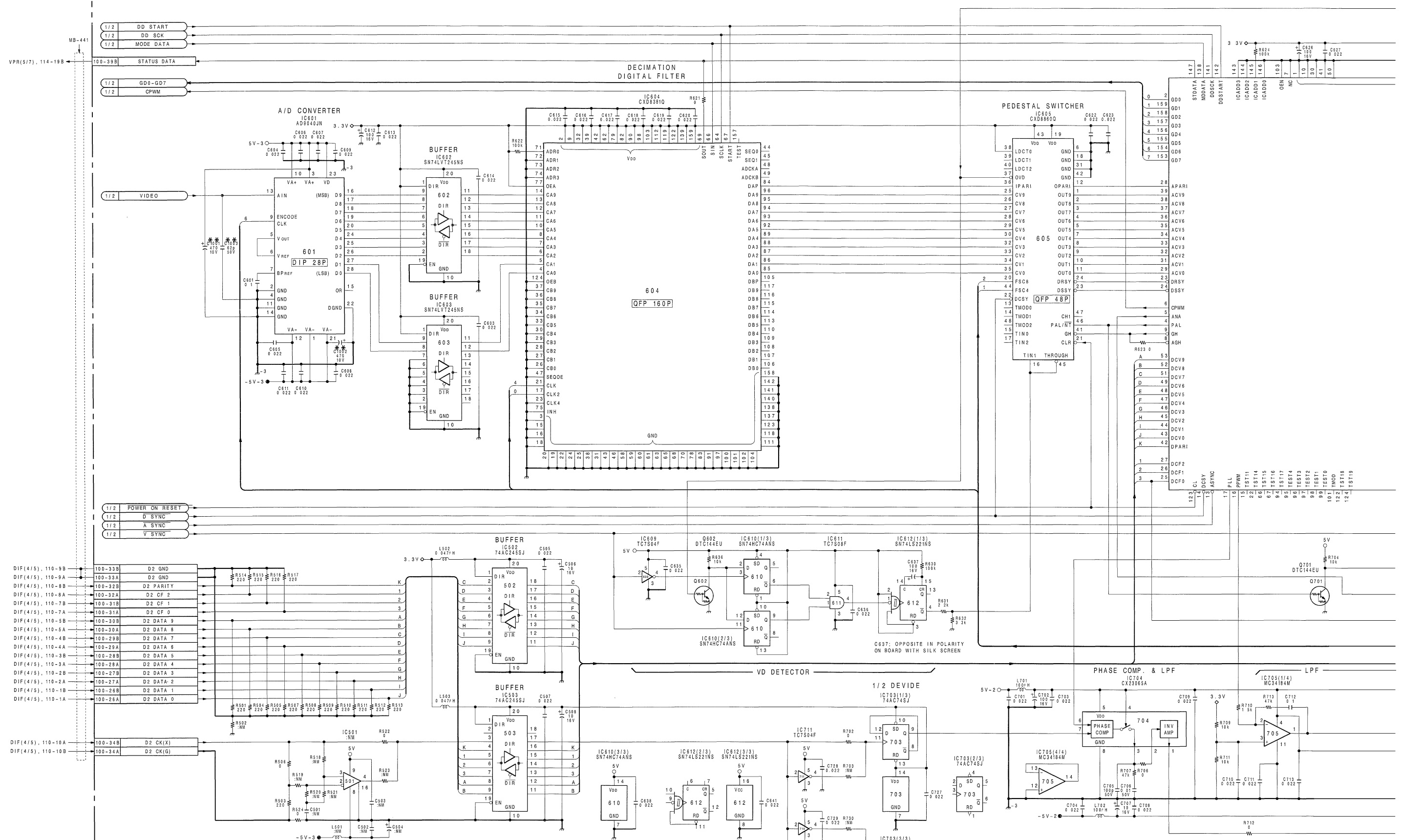
Analog Composite Video Input (EVR, AGC, SYNC Separator)

DEC-65 BOARD (1/2)

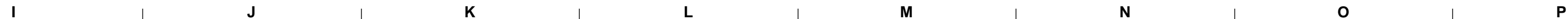
BOARD NO. 1-648-545-11

BKDW-505(UCJ) :DEC-65 MCB :#10001-#10700

DWV-DEC65-NTSC-REC-S/M-04-A



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



5

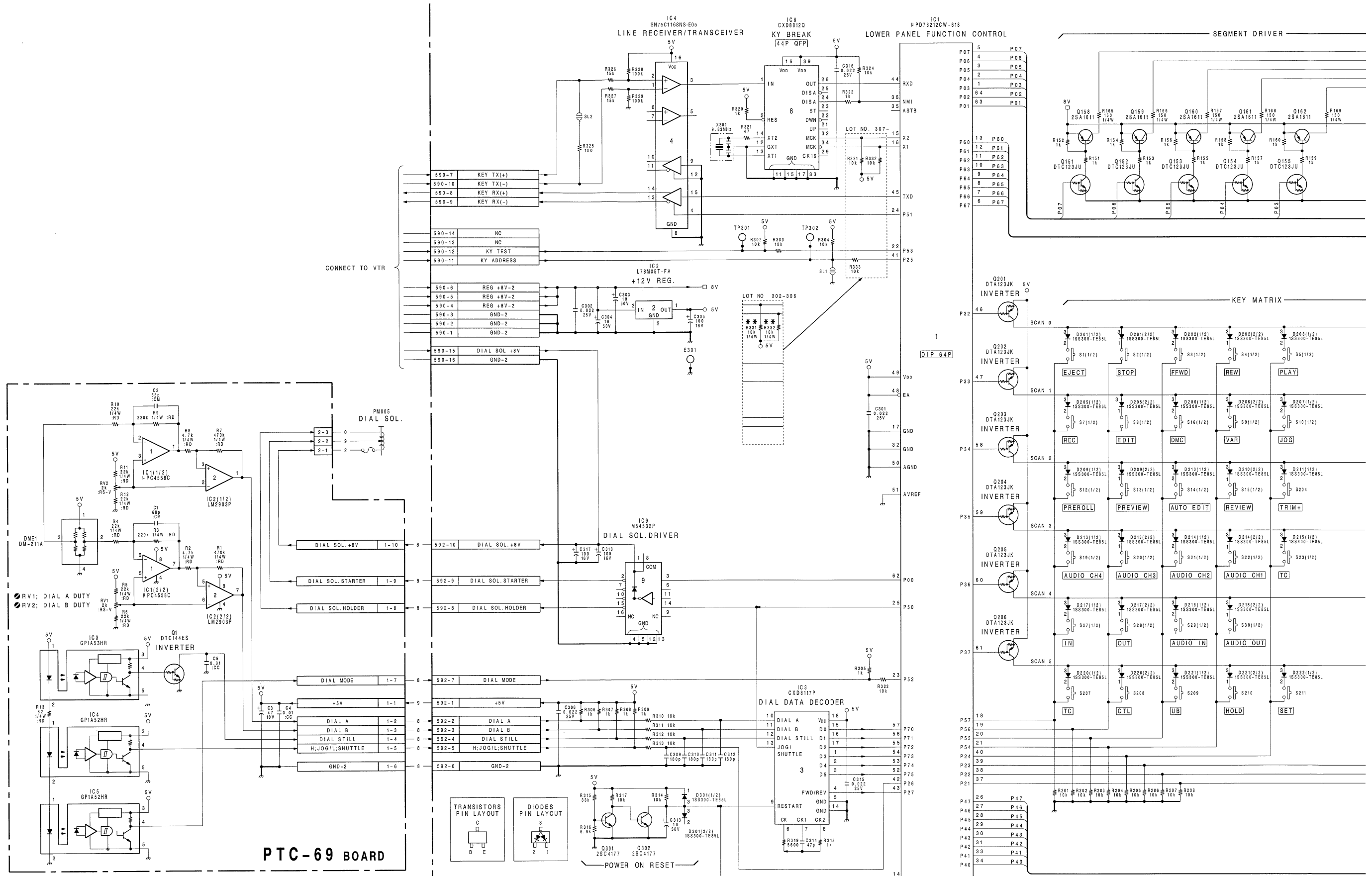
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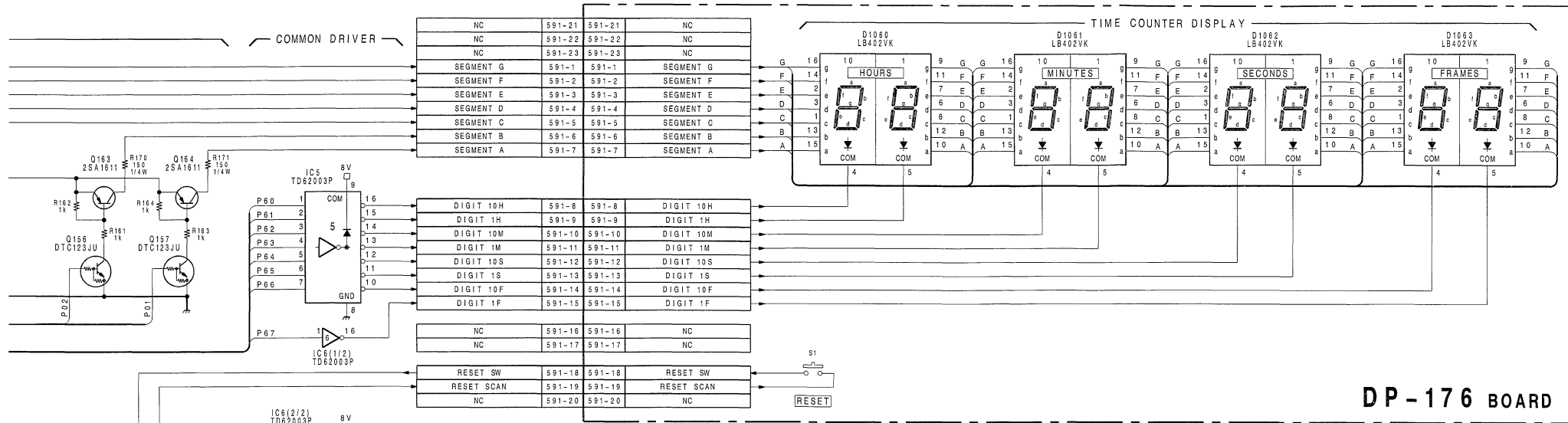
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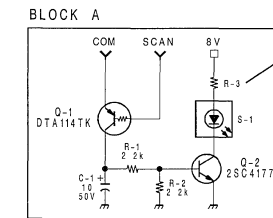
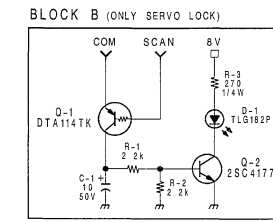
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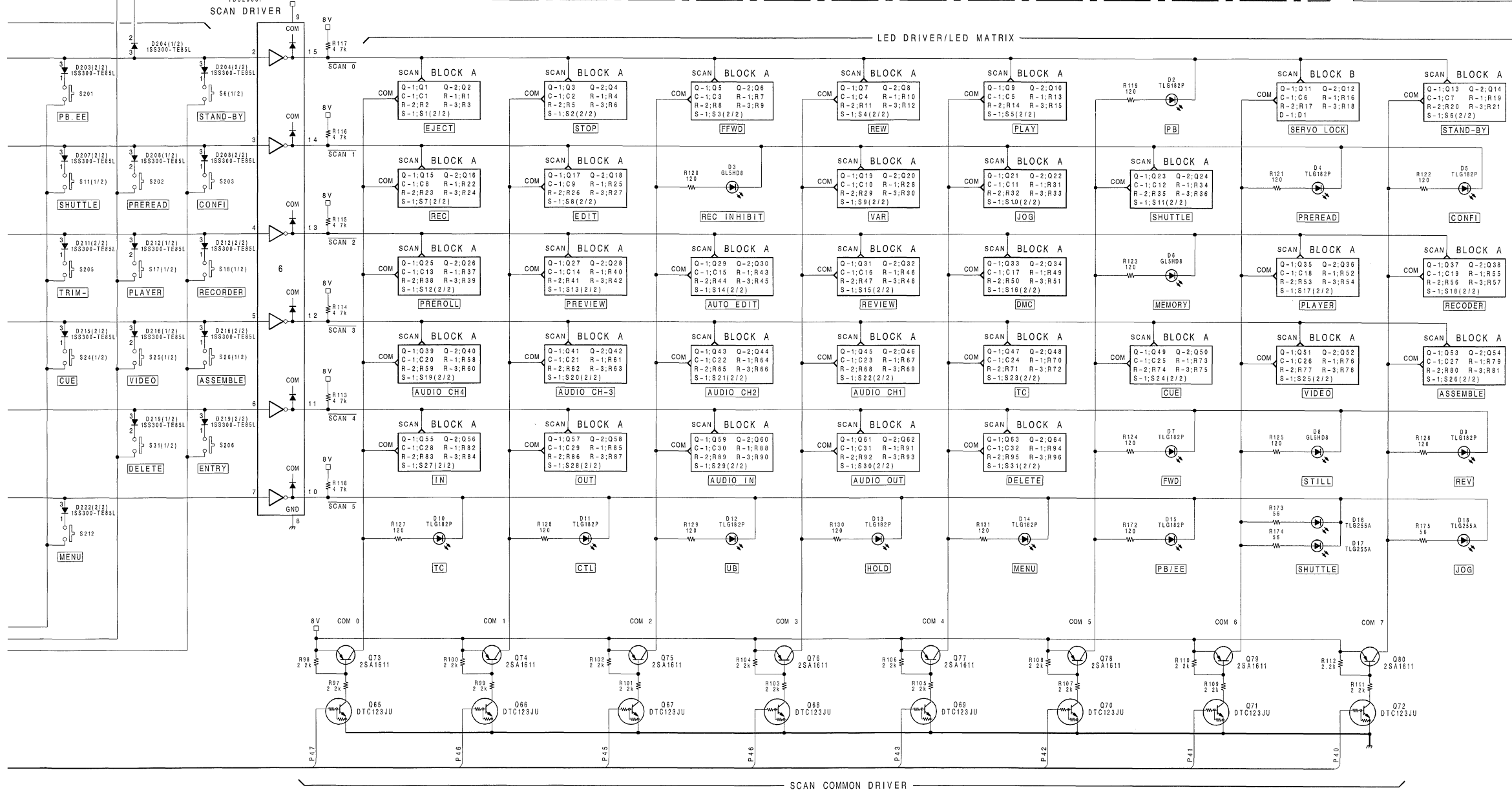
DP-176 BOARD



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
KY-231 BOARD : 1-648-546-11

LOT NO.	BOARD NO.
	KY-231 DP-176
302-306	1-648-546-11 1-648-547-11
307-402	1-648-546-12 1-648-547-12
403-	1-648-546-13 1-648-547-12

REF NO.	LOT NO.
	302-402 403-
R3, 6	120 270 1/4W
R9, 12, R15, 21	120 330 1/4W
R24	220 1/4W 270 1/4W
R27	120 330 1/4W
R30, 33, R36	180 1/4W 390 1/4W
R39, 42	120 330 1/4W
R45	220 1/4W 270 1/4W
R48	120 330 1/4W
R51, 54, R57, 60, R63, 66, R69, 72, R75, 78, R81, 84, R87, 90, R93, 96	180 1/4W 390 1/4W



KY-231 BOARD

Time Counter Display DP-176 BOARD

BOARD NO. 1-648-547-12
BOARD' S LOT NO. 501-
BKDW-514 :DP-176 MCB

Jog/Shuttle Dial Sensor PTC-69 BOARD

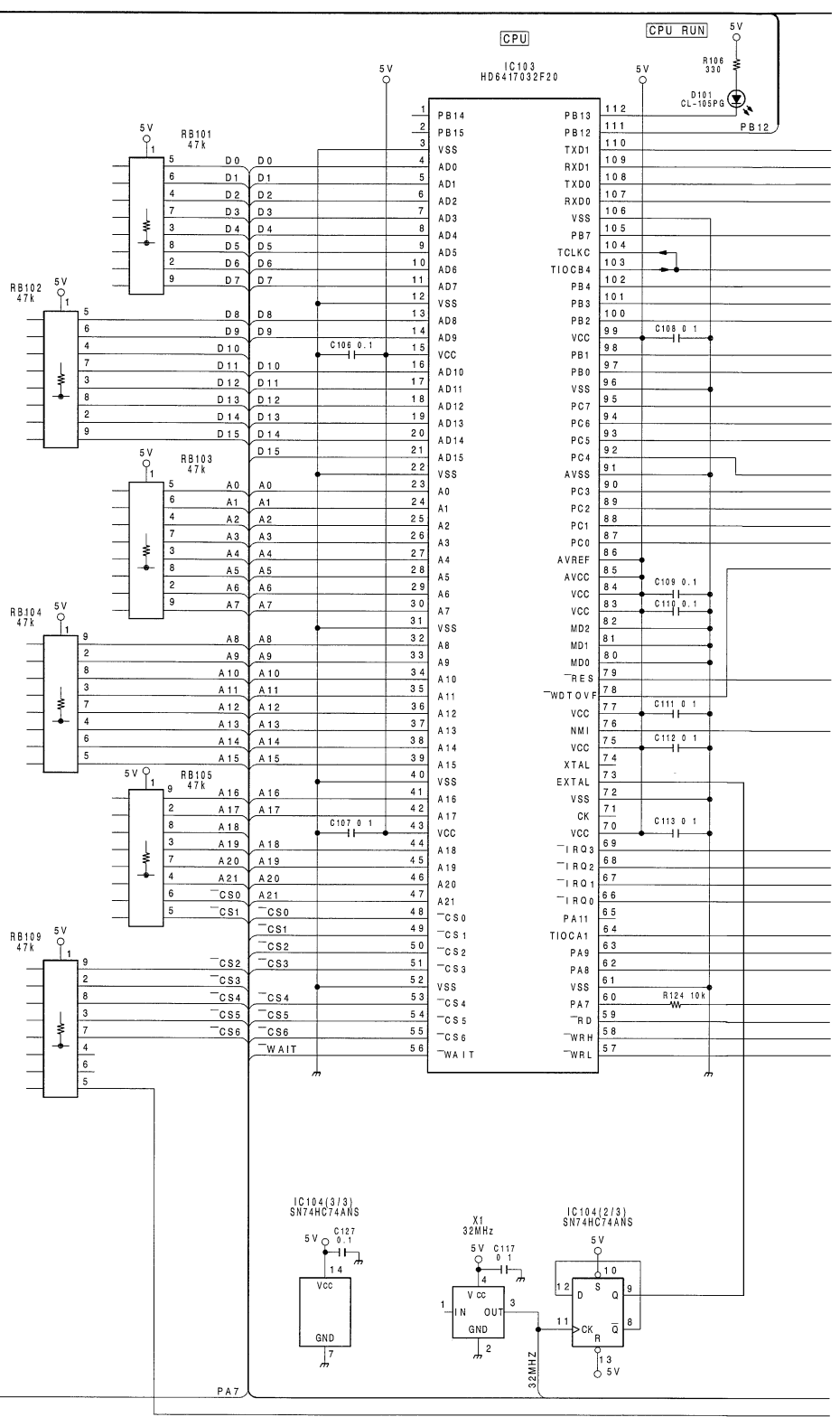
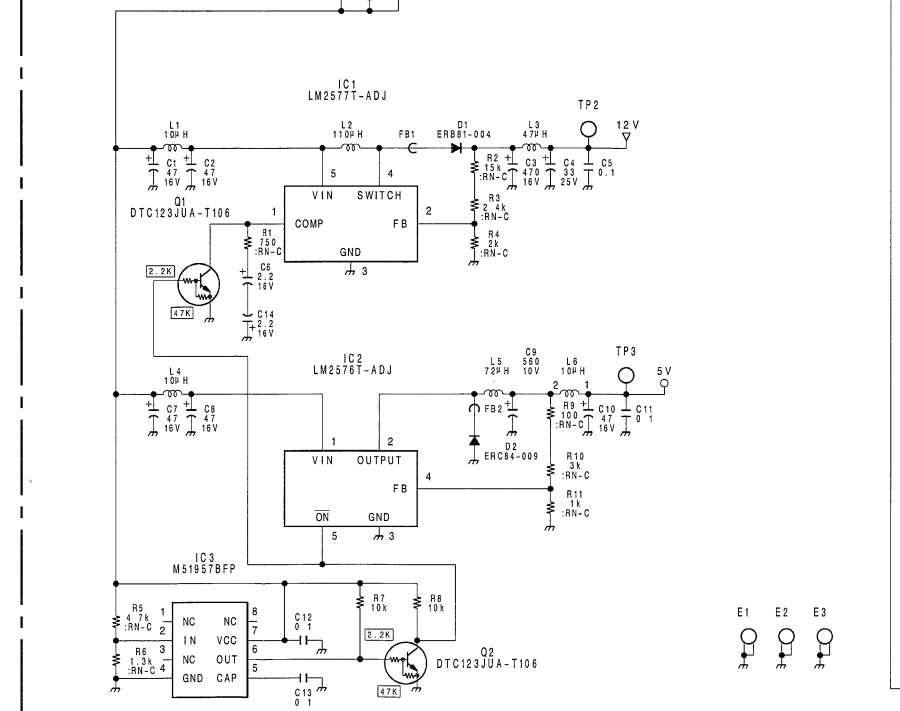
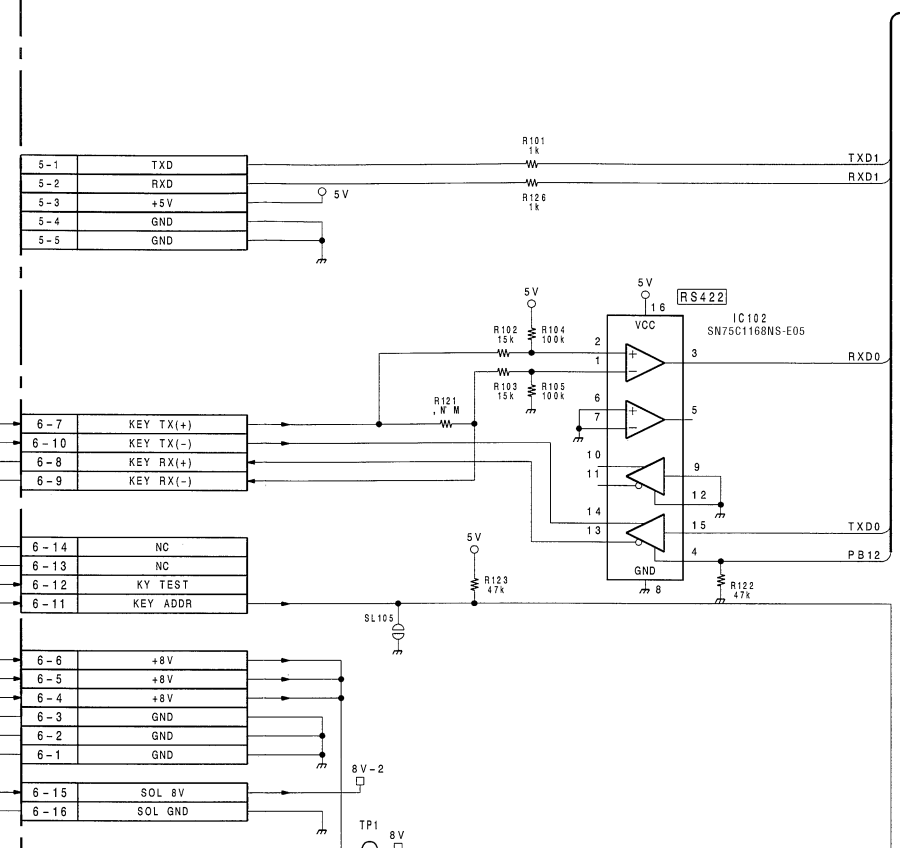
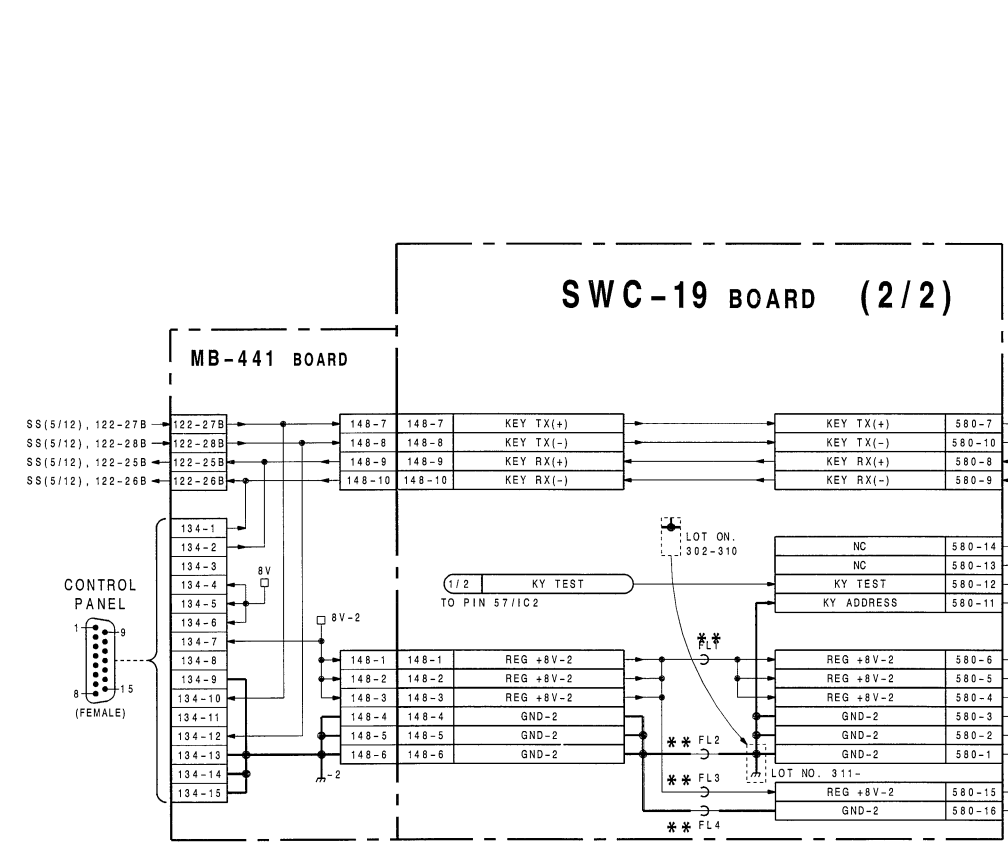
BOARD NO. 1-648-568-12
BKDW-514 :PTC-69 MCB

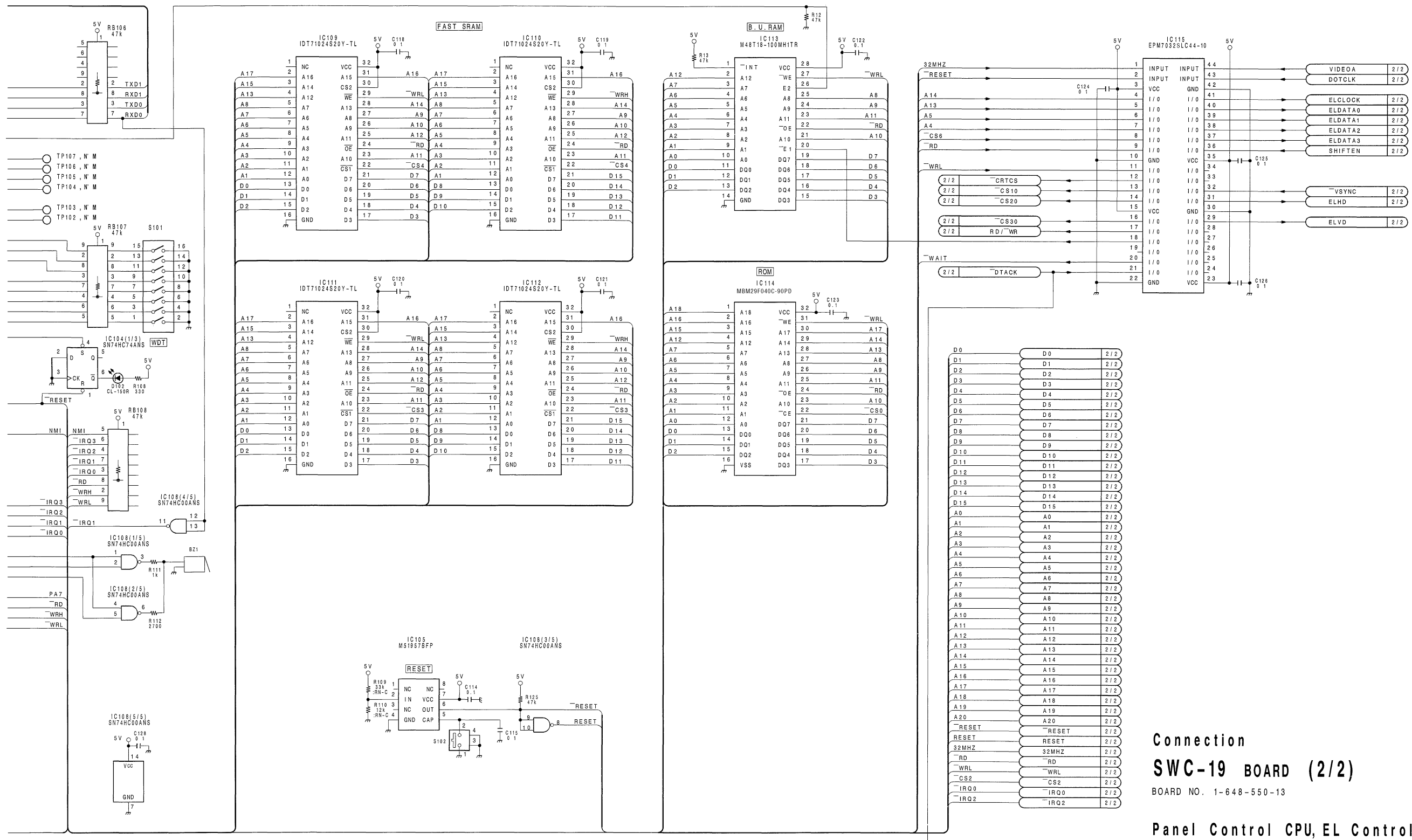
Lower Panel Control KY-231 BOARD

BOARD NO. 1-648-546-13
BOARD' S LOT NO. 501-
BKDW-514 :KY-231 MCB

BKDW-514 :#10001-

1
2
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4
5





Connection

SWC-19 BOARD (2/2)

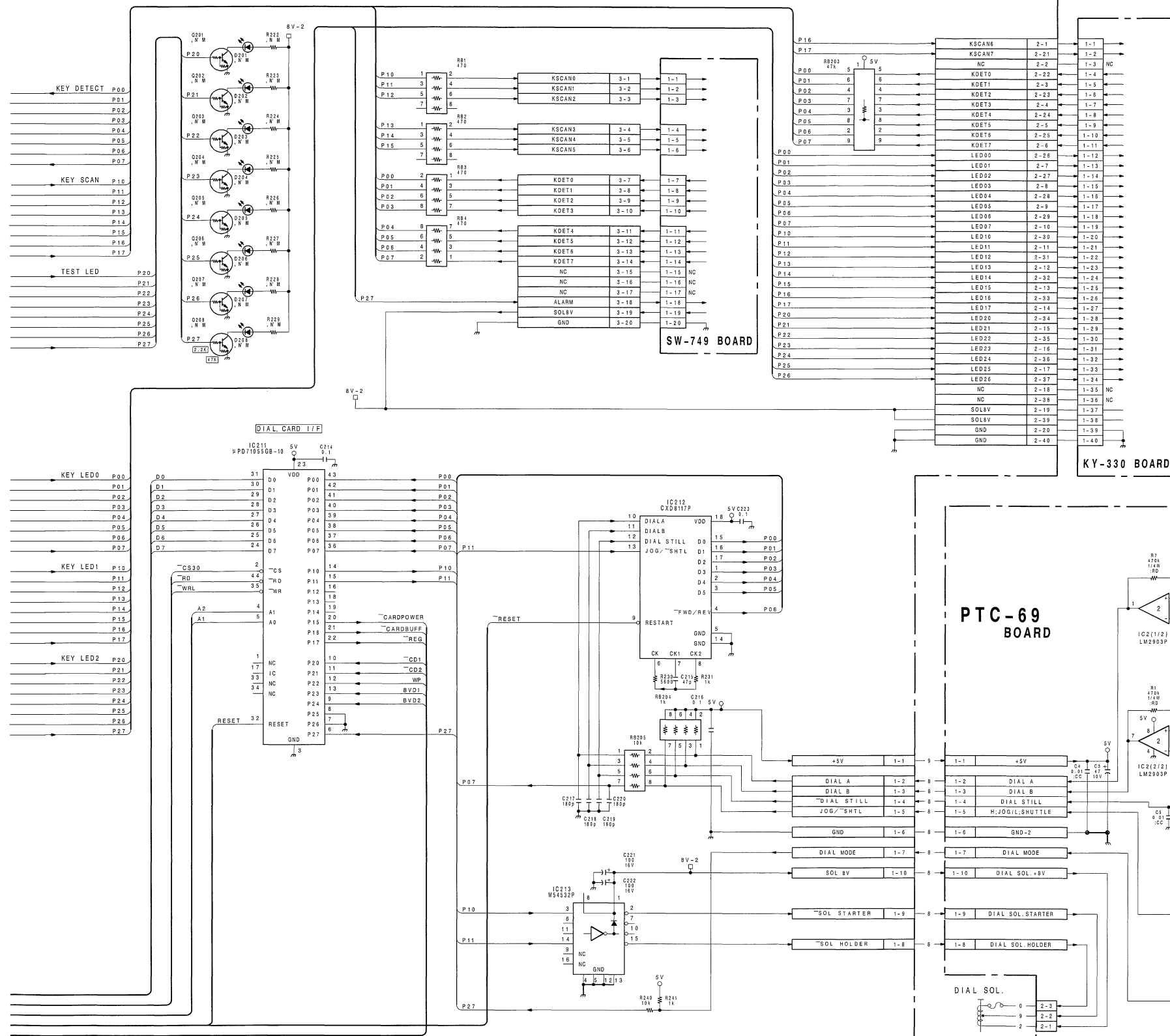
BOARD NO. 1-648-550-13

Panel Control CPU, EL Control

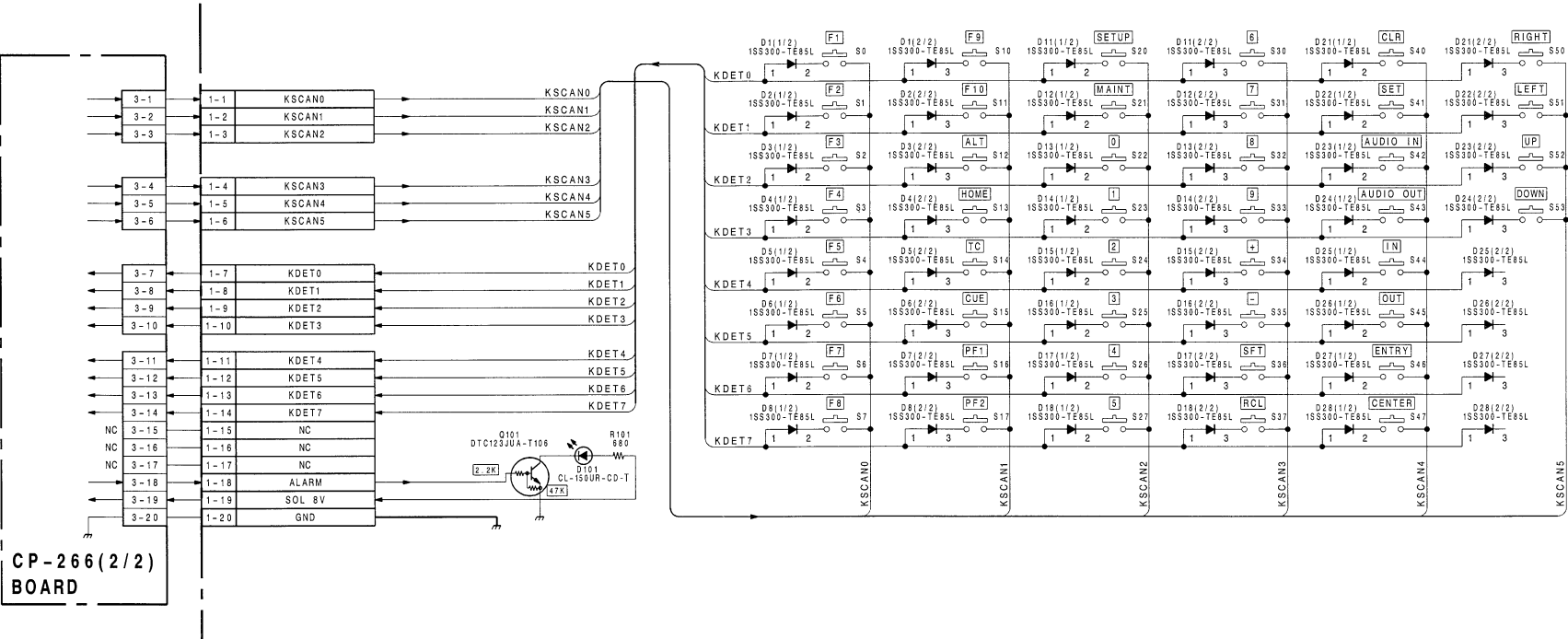
CP-266 BOARD (1/2)

BOARD NO. 1-658-037-11, 12
BKDW-515:CP-266 MCB:#10001-

[B-1 BKDW515-CP266-11]







Function Control
SW-749 BOARD

BOARD NO. 1-658-035-11
BKDW-515:SW-749 MCM:#10001-

B-1 BKDW515-SW749-11

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SAFETY CHECK-OUT

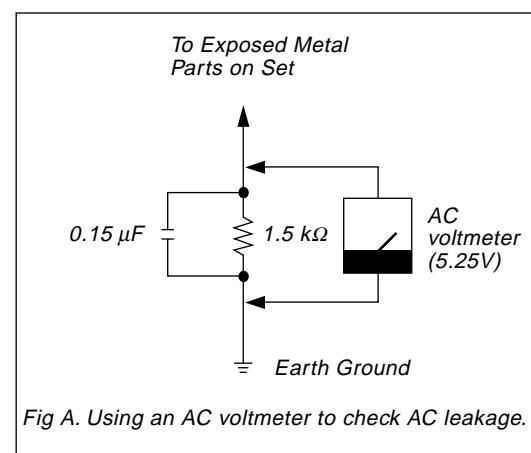
After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 3.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 5.25 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 20 V AC range are suitable. (See Fig. A)



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